

Fig. 1

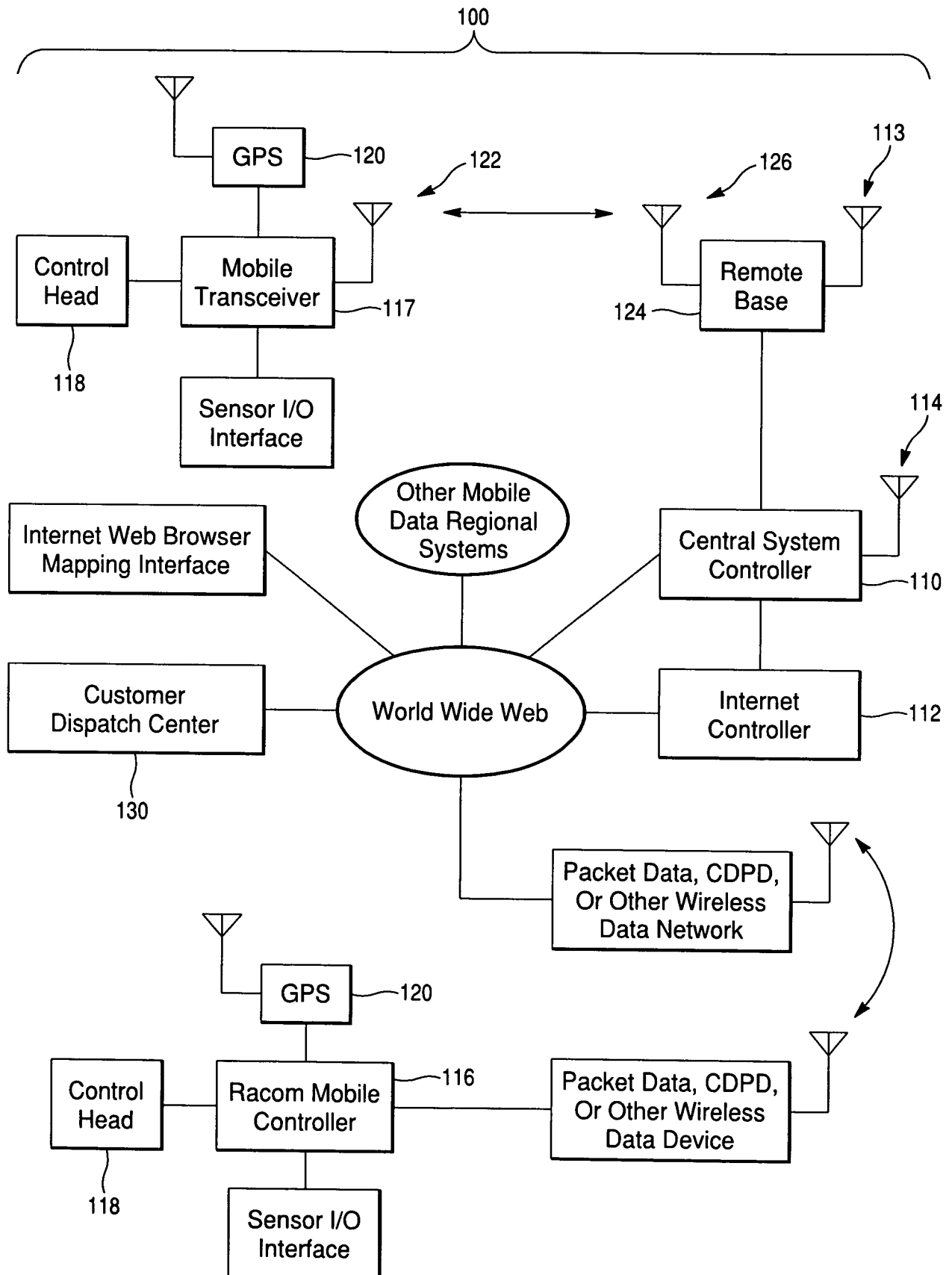


Fig. 2

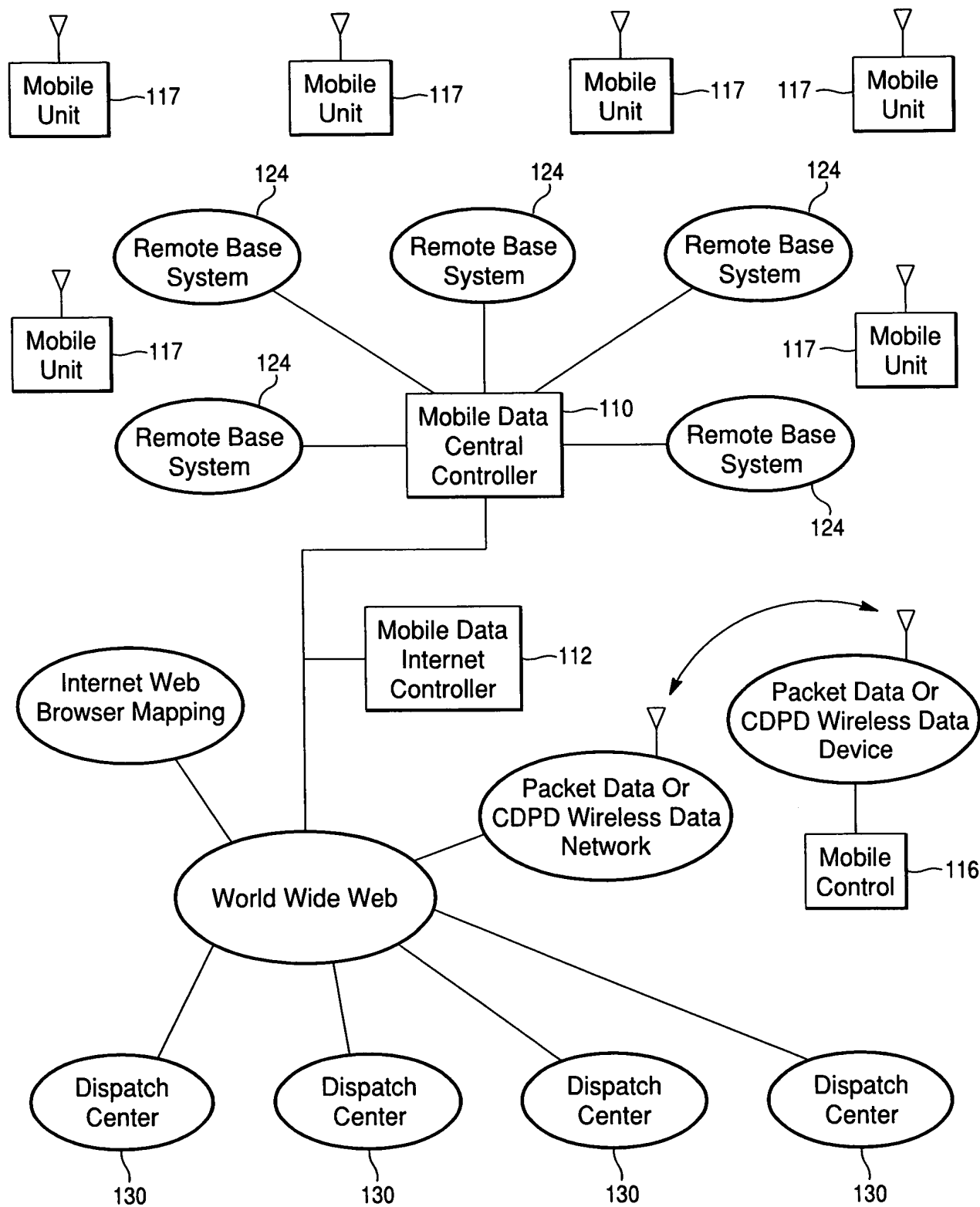


Fig. 3

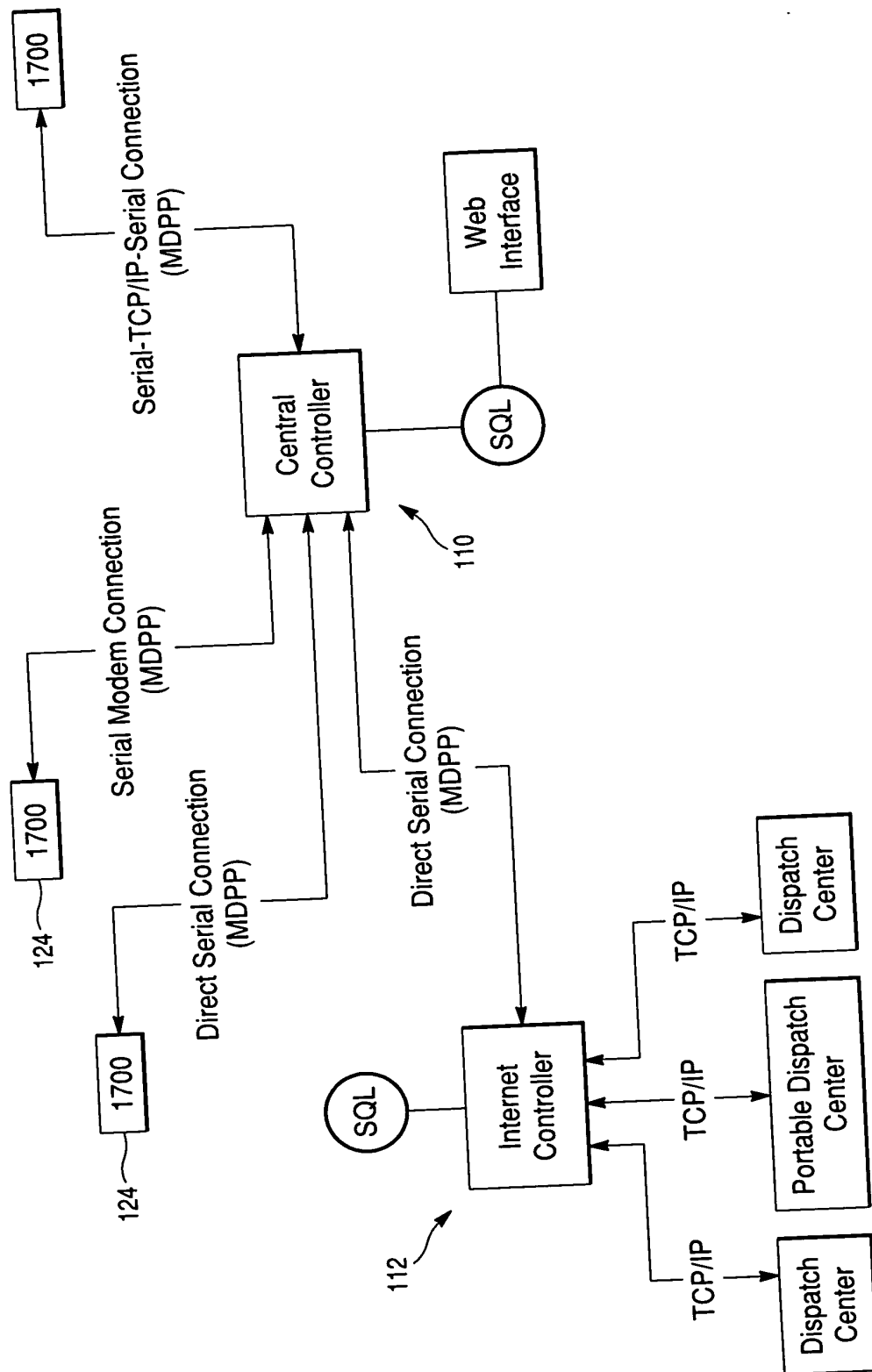
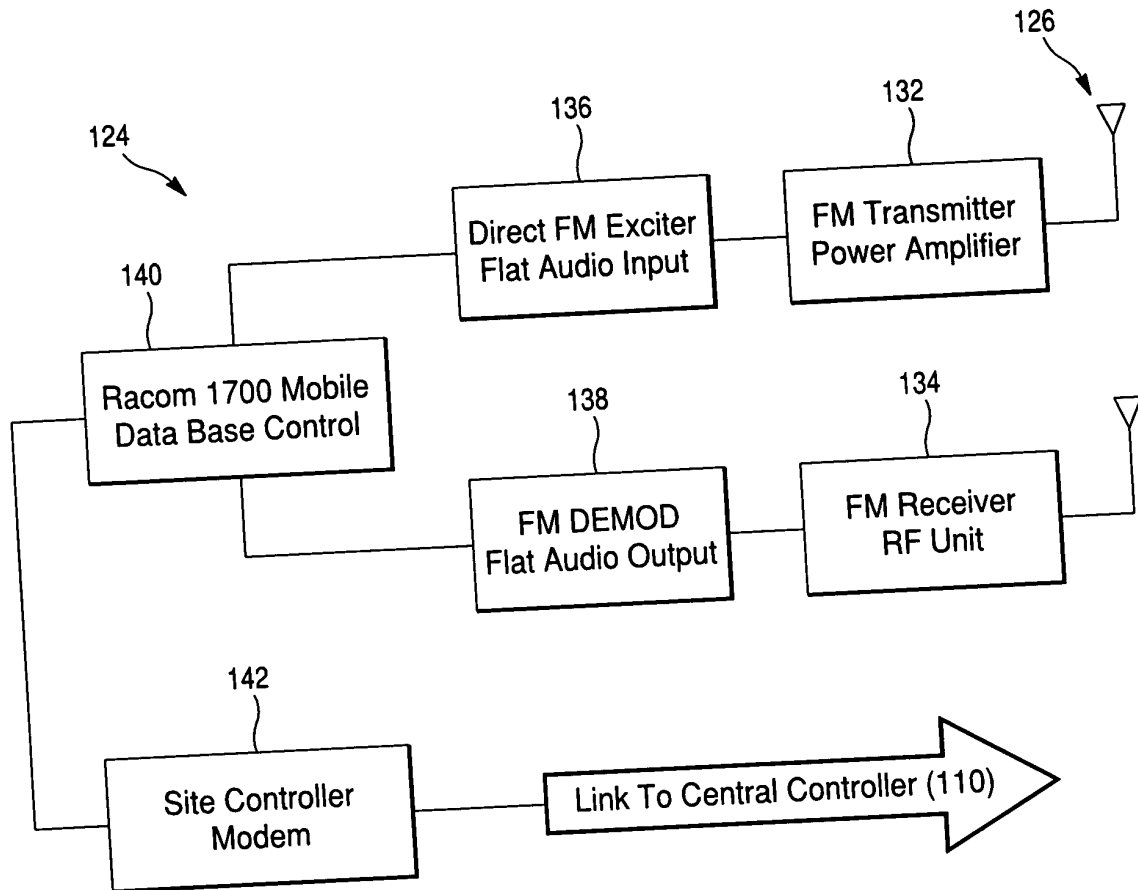


Fig. 4



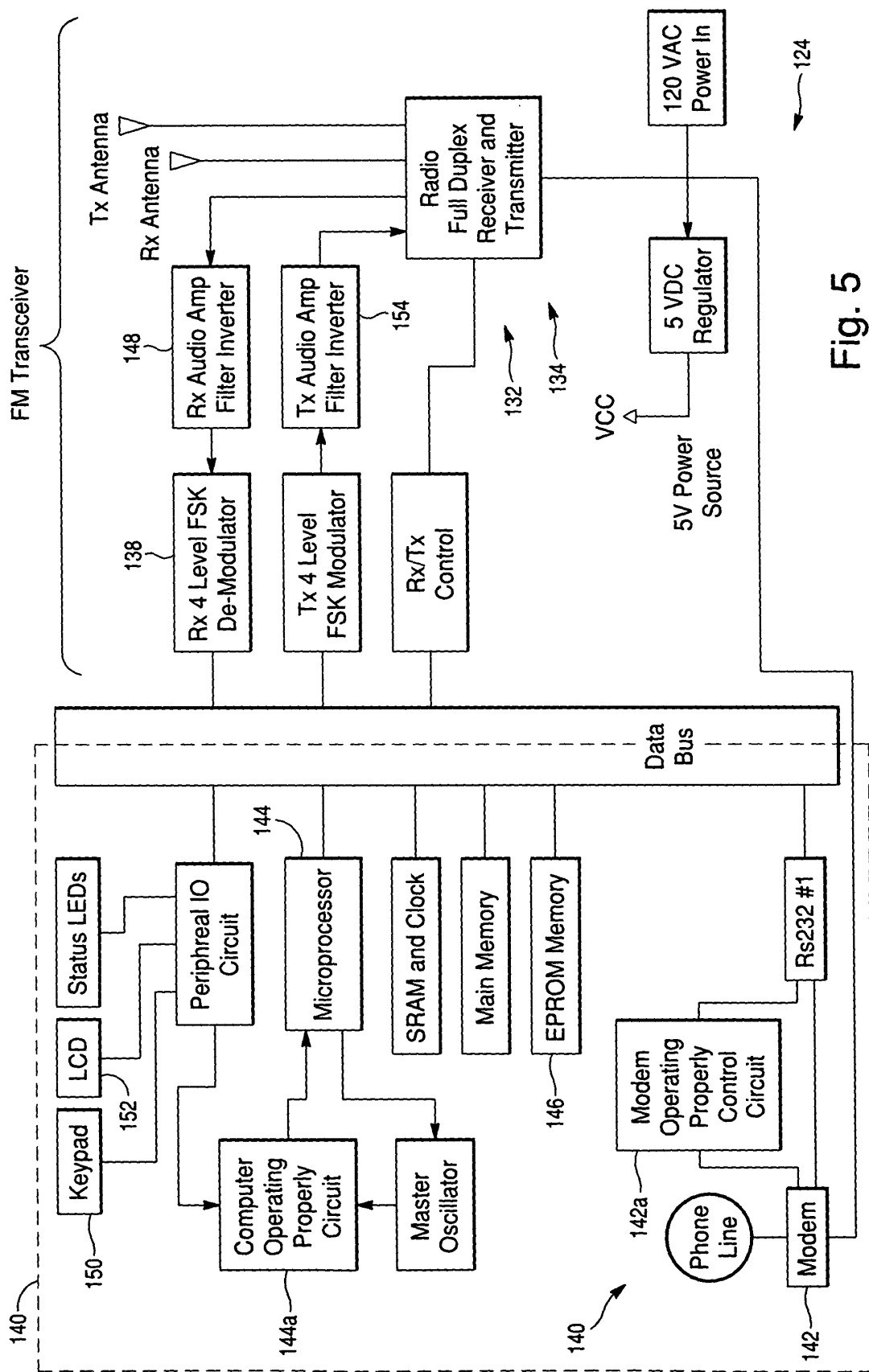


Fig. 5

Fig. 6

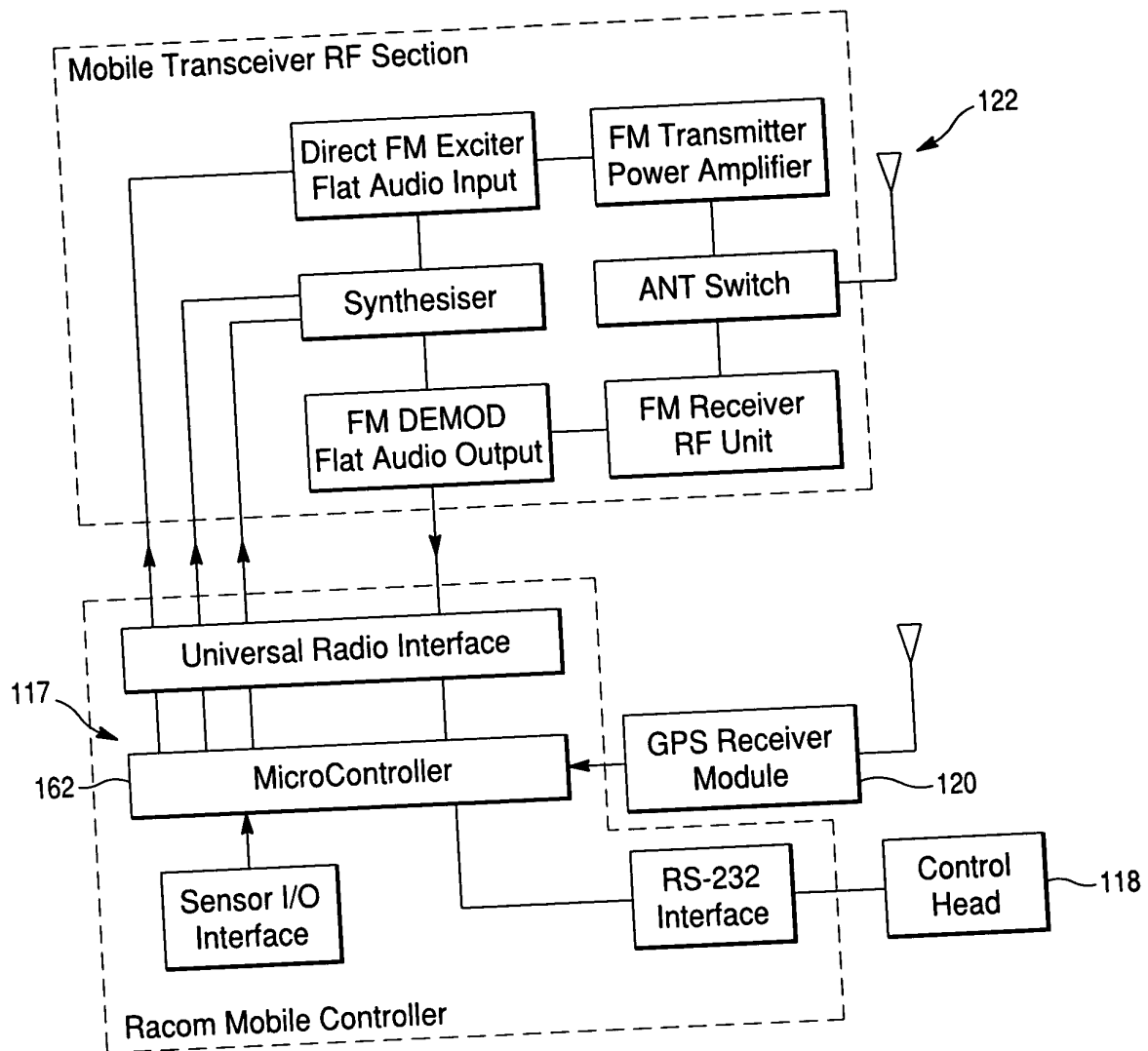
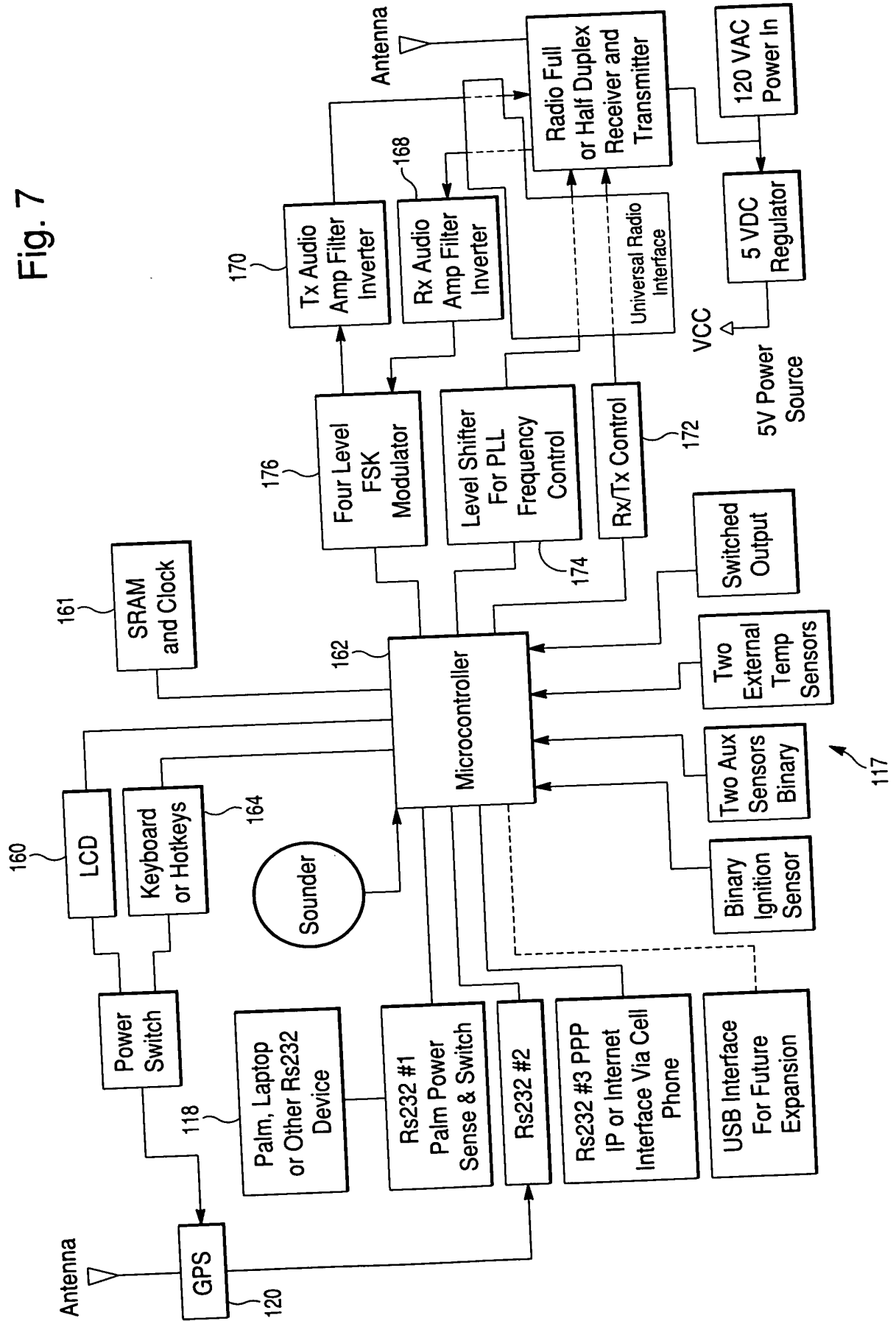
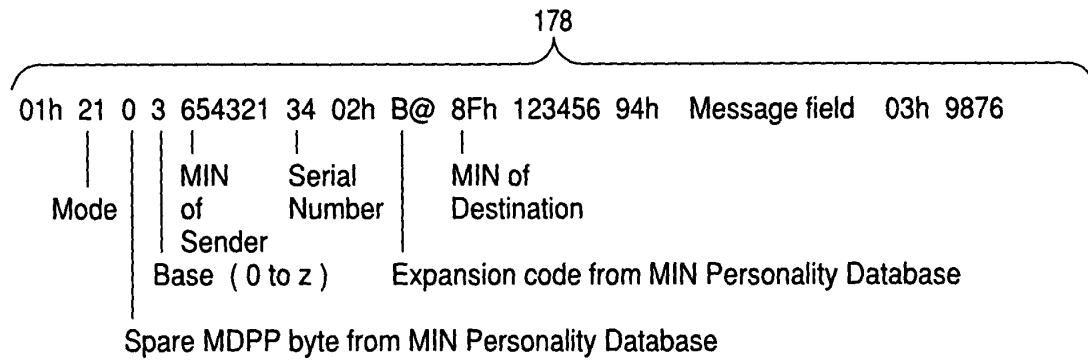


Fig. 7



# Fig. 8



# Fig. 9

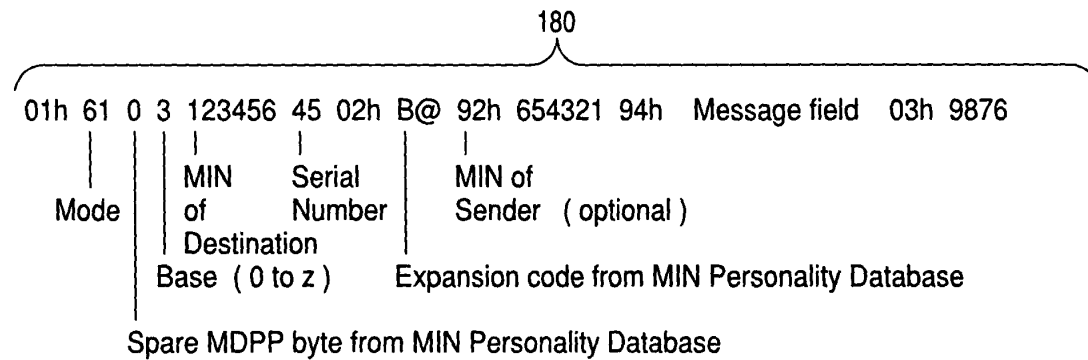




Fig. 10

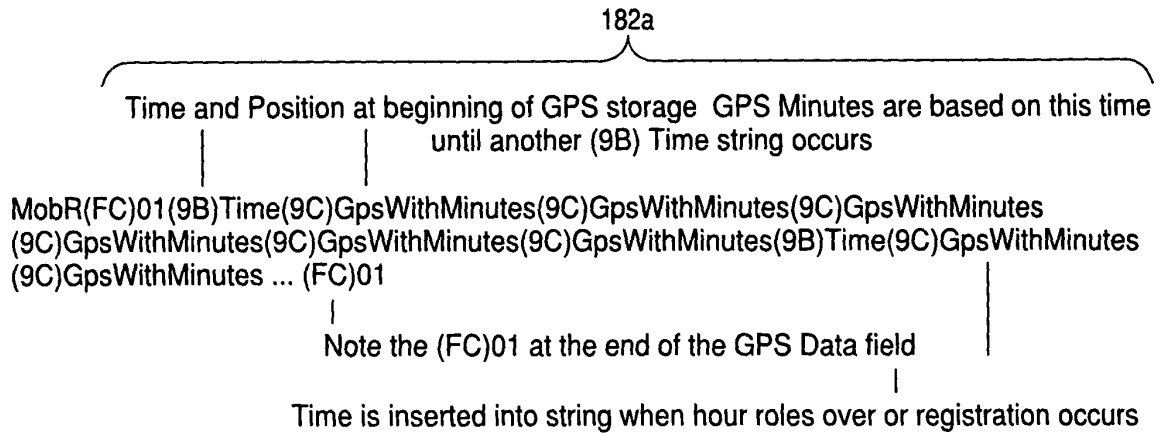
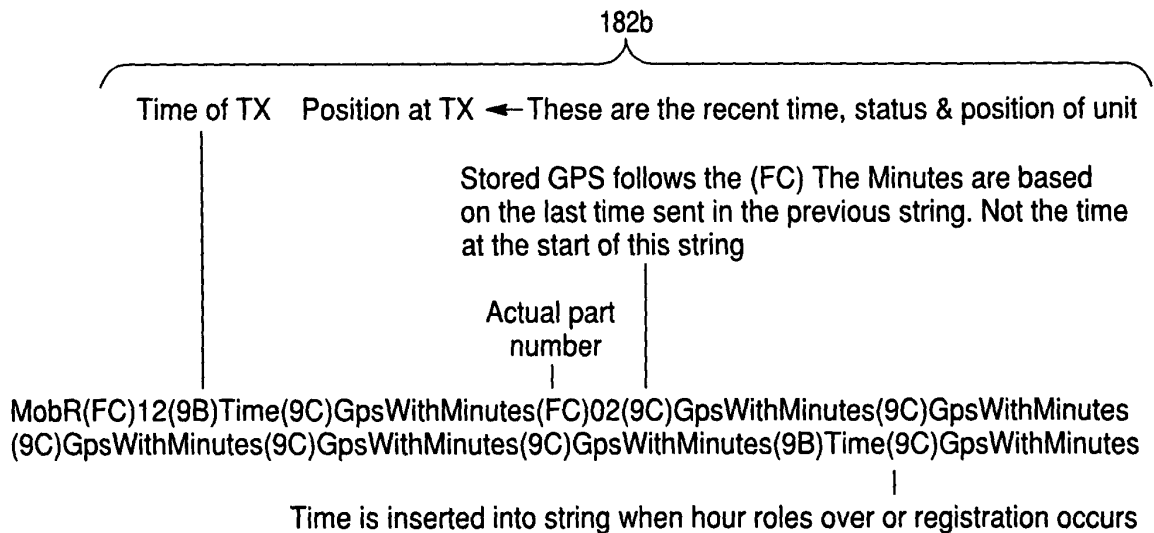
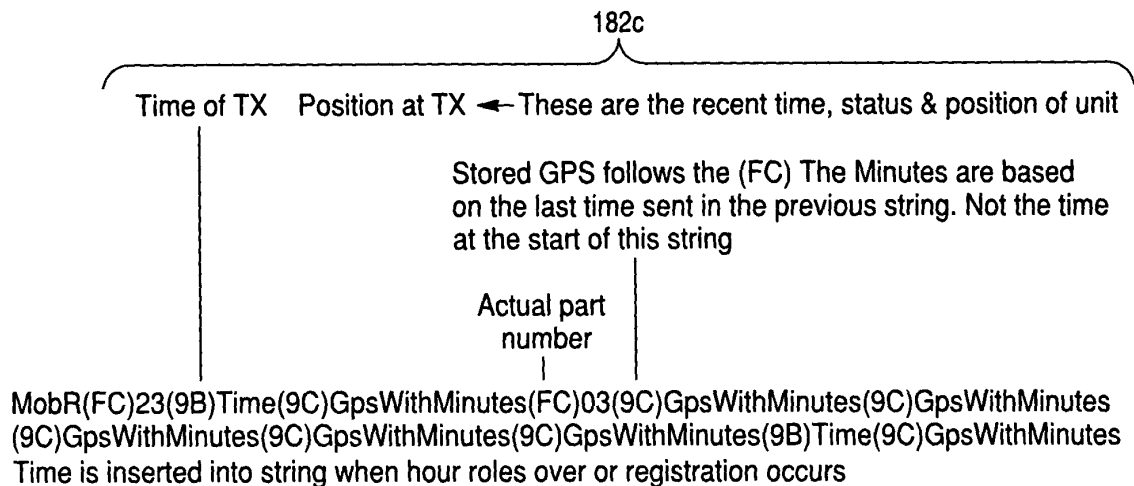


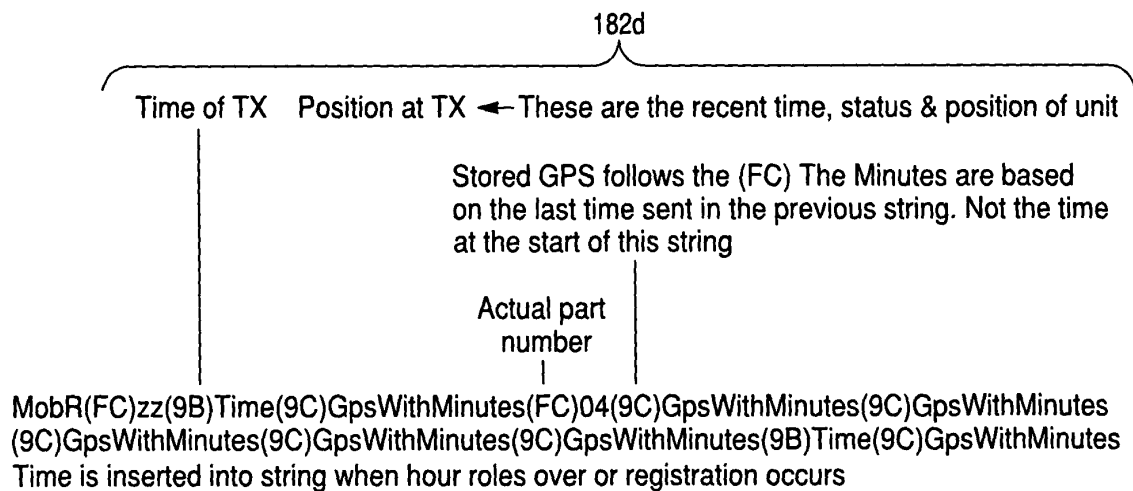
Fig. 11



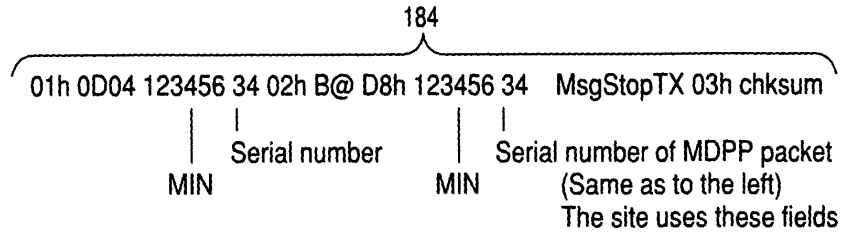
# Fig. 12



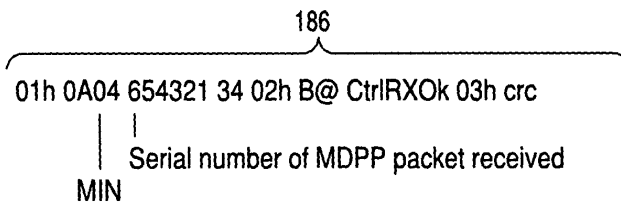
# Fig. 13



### Fig. 14a

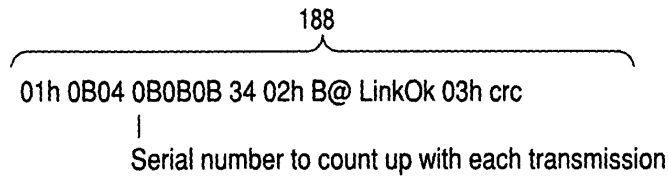


### Fig. 14b



The 1700MDPPX will erase this MDPP packet from its buffer and stop sending it to the controller on the RS232 link.

### Fig. 14c



There are several other commands which can be sent from a base unit including a 1700MDPPX controller to a central controller 110.

Fig. 15a

190  
01h 0D04 1C1C1C ok 02h B@ D8h 123456 45 MsgRcvdOk 03h chksum

Fig. 15b

200  
01h 1D04 1D1D1D un 02h B@ D8h 123456 67 MsgNoDelv 03h chksum  
| |  
Presently ignored by site Serial number of MDPP packet  
Will become MIN & Ser# MIN

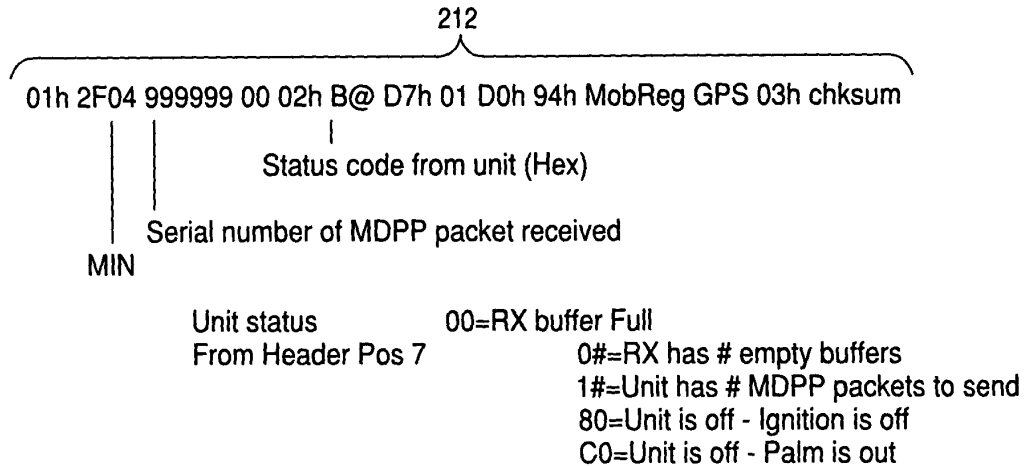
Fig. 15c

210  
01h 1A04 654321 34 02h B@ D2h 02 D0h MsgRxOk 03h chksum  
| | |  
Serial number of MDPP packet received Number of free TX buffers  
MIN Hold packets if 00 or 01

Fig. 15d

211  
01h 1B04 999999 00 02h B@ D2h 02 D0h TXBufUsed 03h chksum  
| | |  
Serial number of MDPP packet received Number of free TX buffers  
MIN Hold packets if 00 or 01

# Fig. 16a



# Fig. 16b

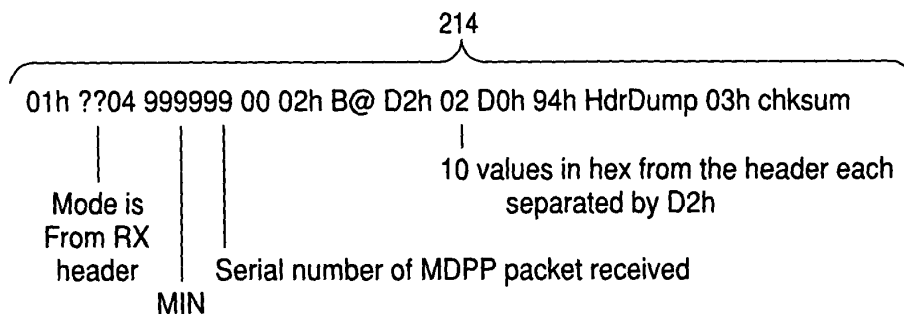


Fig. 17

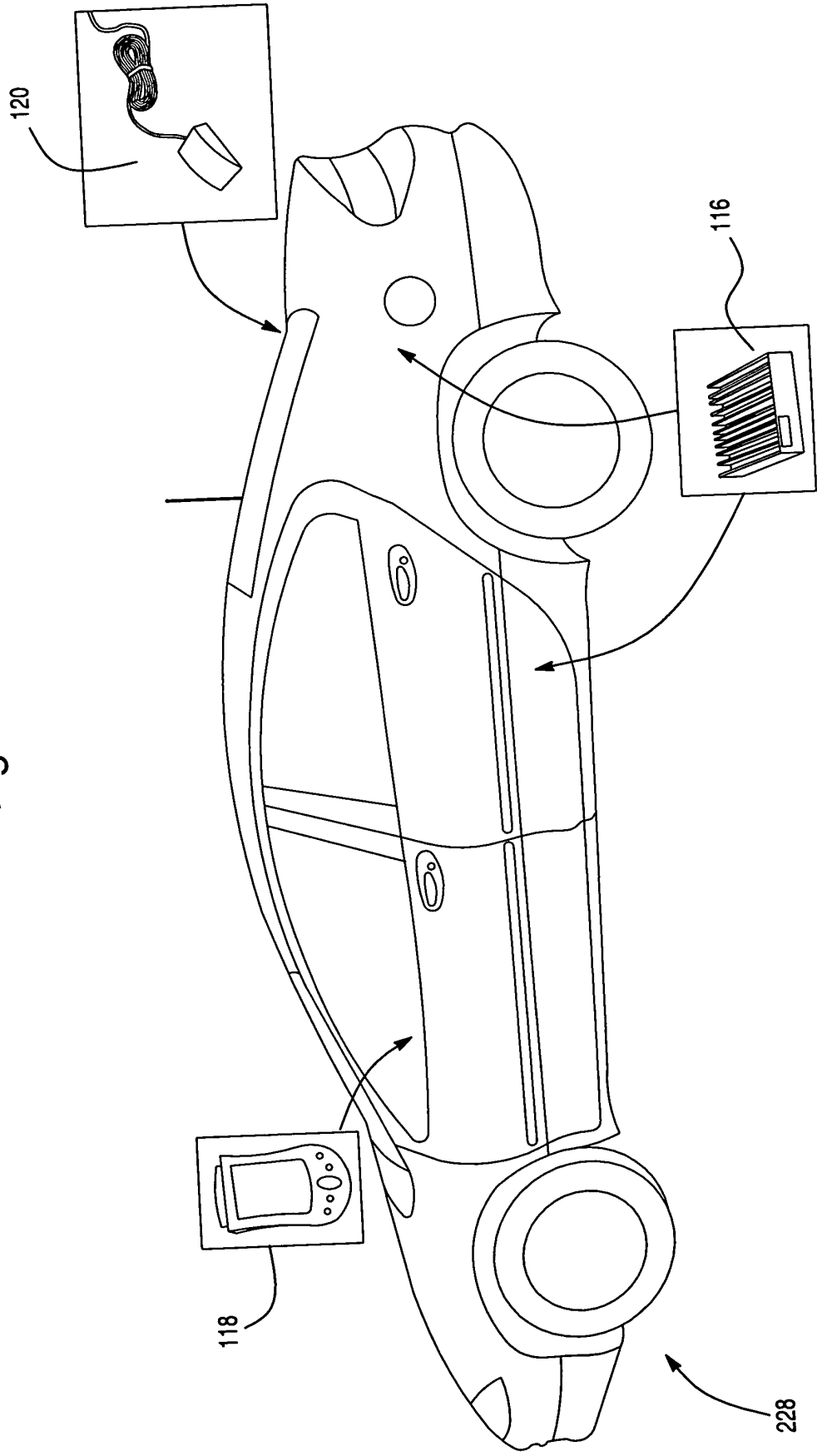


Fig. 18

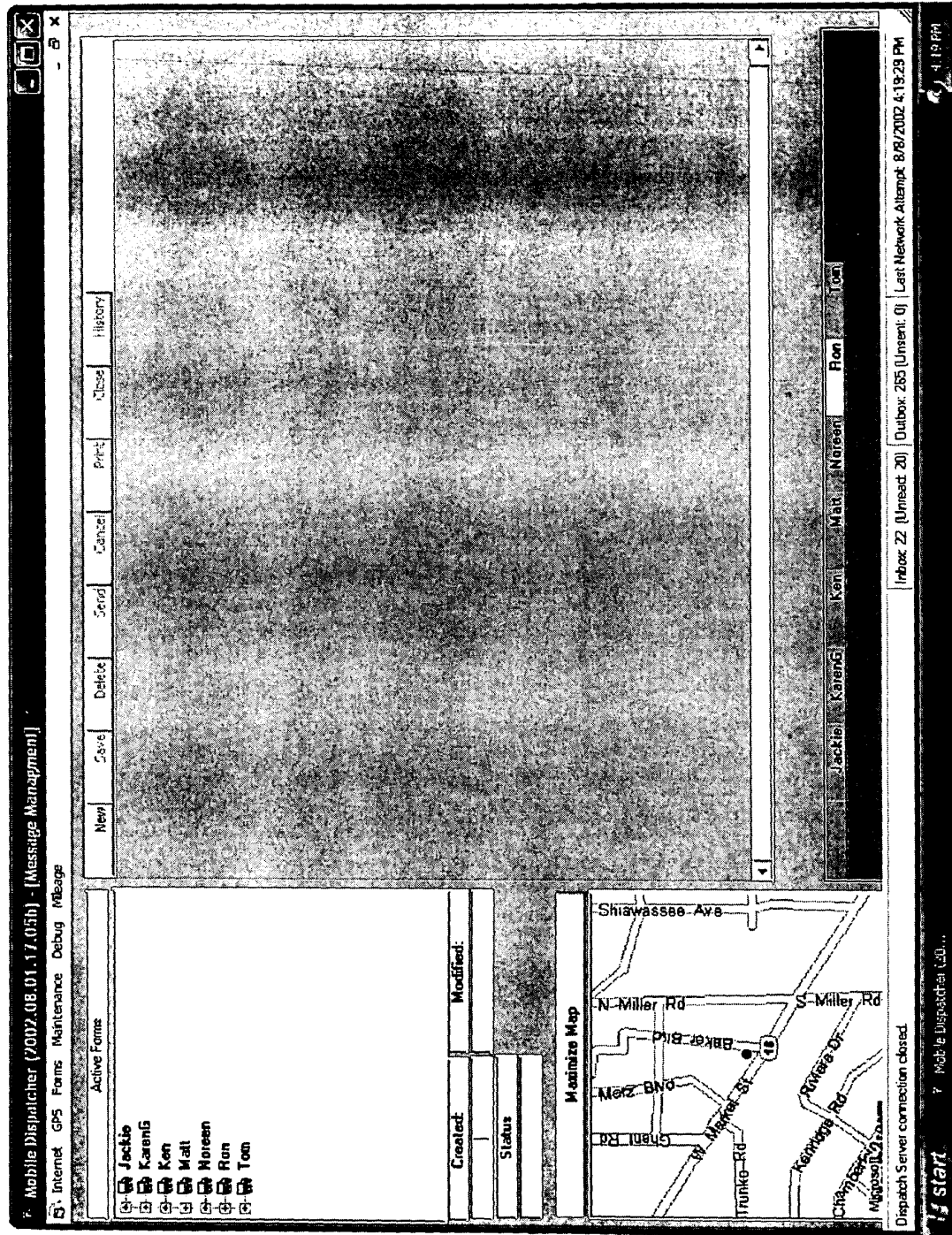


Fig. 19

Mobile Dispatcher (2002.02.08.17.00) - [Form Definition]

Internet Message GPS Forms Maintenance

Matts Sales Invoice  
-Undefined--  
-Undefined--  
-Undefined--  
-Undefined--  
-Undefined--  
-Undefined--  
-Undefined--  
-Undefined--  
-Undefined--  
-Undefined--  
-Undefined--  
-Undefined--  
11-01-2001

Form Type Name: Matts Sales Invoice

Cust Name:

Cust #:  Phone #:

Address:

City:

State:  Zip:

Notes:

Save



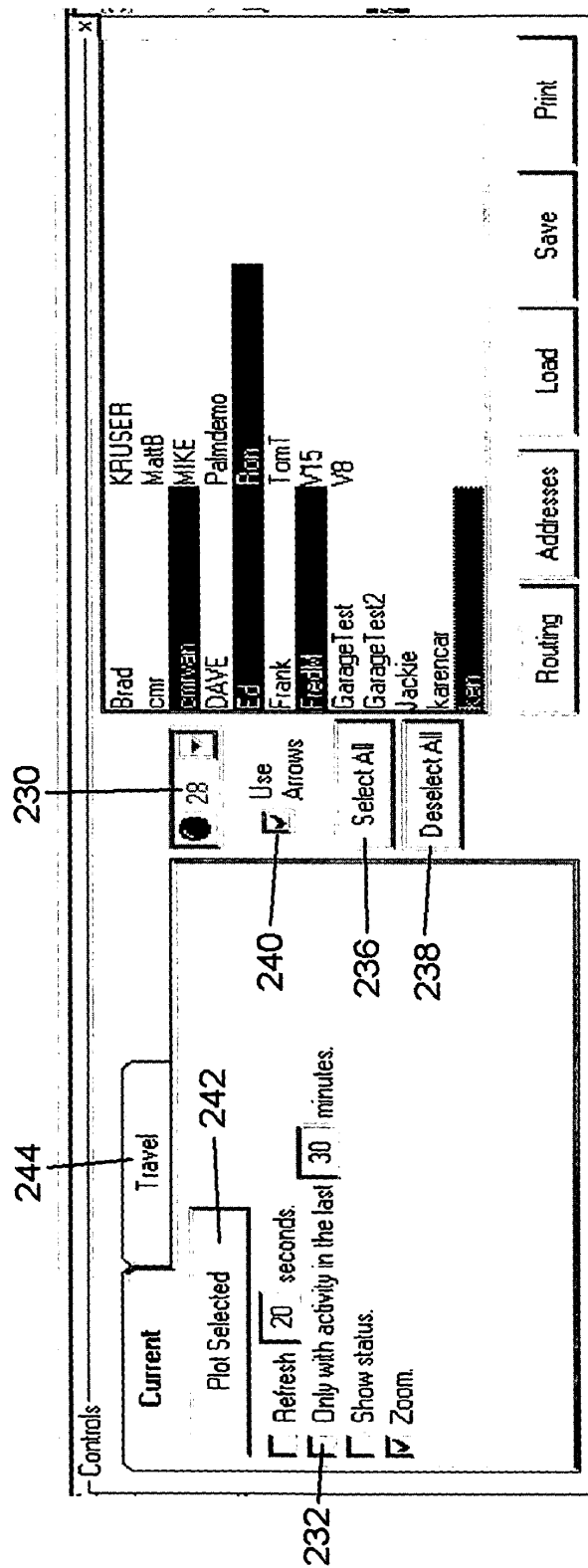


Fig. 20

Fig. 21

Controls

Current

Travel

From

02/15/2002 11:22 AM

To

02/15/2002 11:52 AM

Plot

Log

Clear

Reset

Zoom

☐ Flag points where speed is greater than 

60

 mph.

☐ Flag status changes.

☐ Find stops by time longer than 

15

 minutes.

☐ Find stops at 0 MPH

☒ Zoom to points after plotting. ☐ Only show flags.

☐ Clear points before plotting. ☐ Plot to current time.

28

☒ Use Arrows

Select All

Deselect All

Brad

cmr

cmivan

DAVE

Ed

Frank

FredM

GarageTest

GarageTest2

Jackie

karencar

ken

KRUSER

MikeB

MIKE

Palmdemo

Ron

TomT

V15

V8

Routing

Addresses

Load

Save

Print

Fig. 22

234

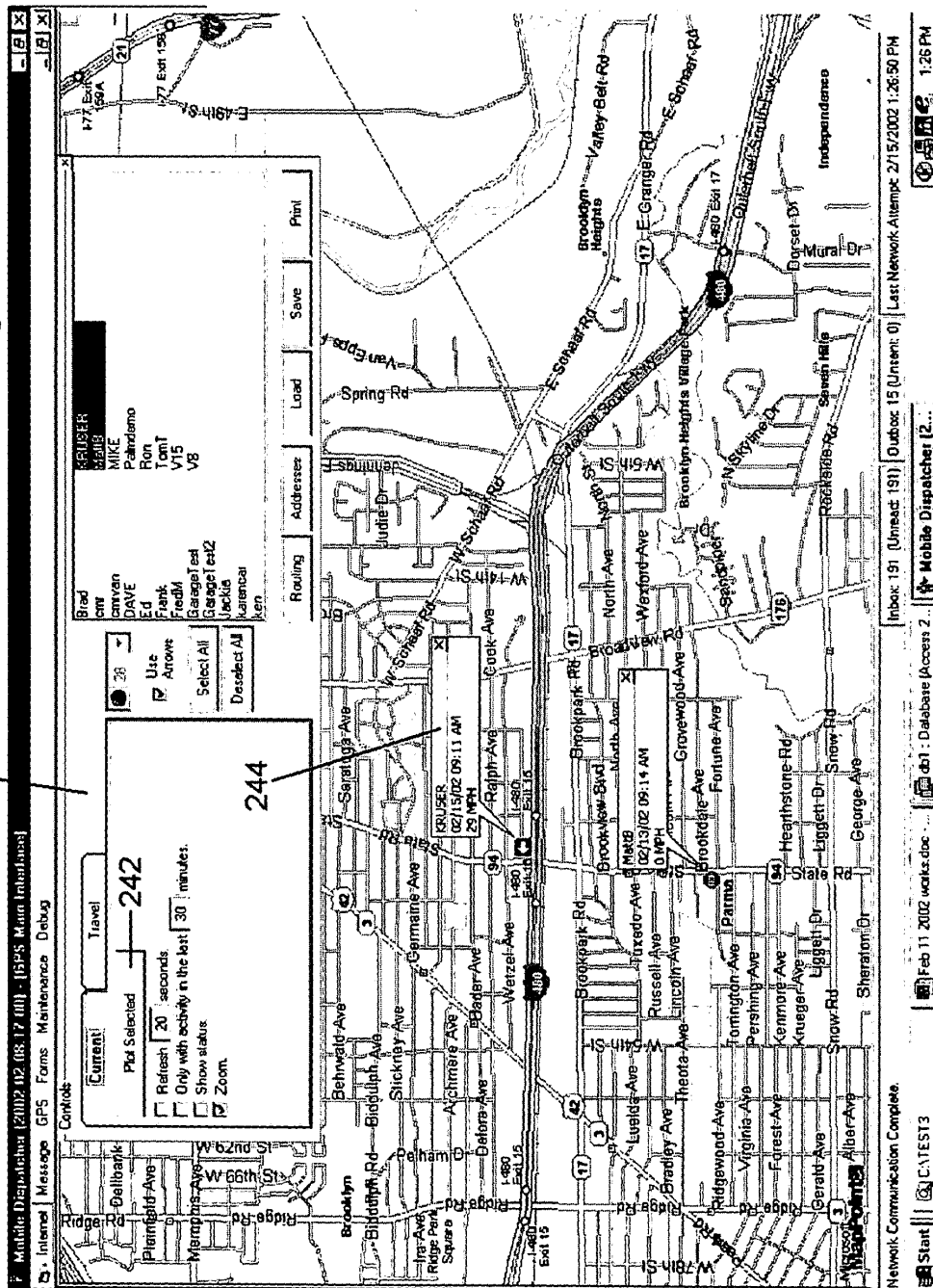
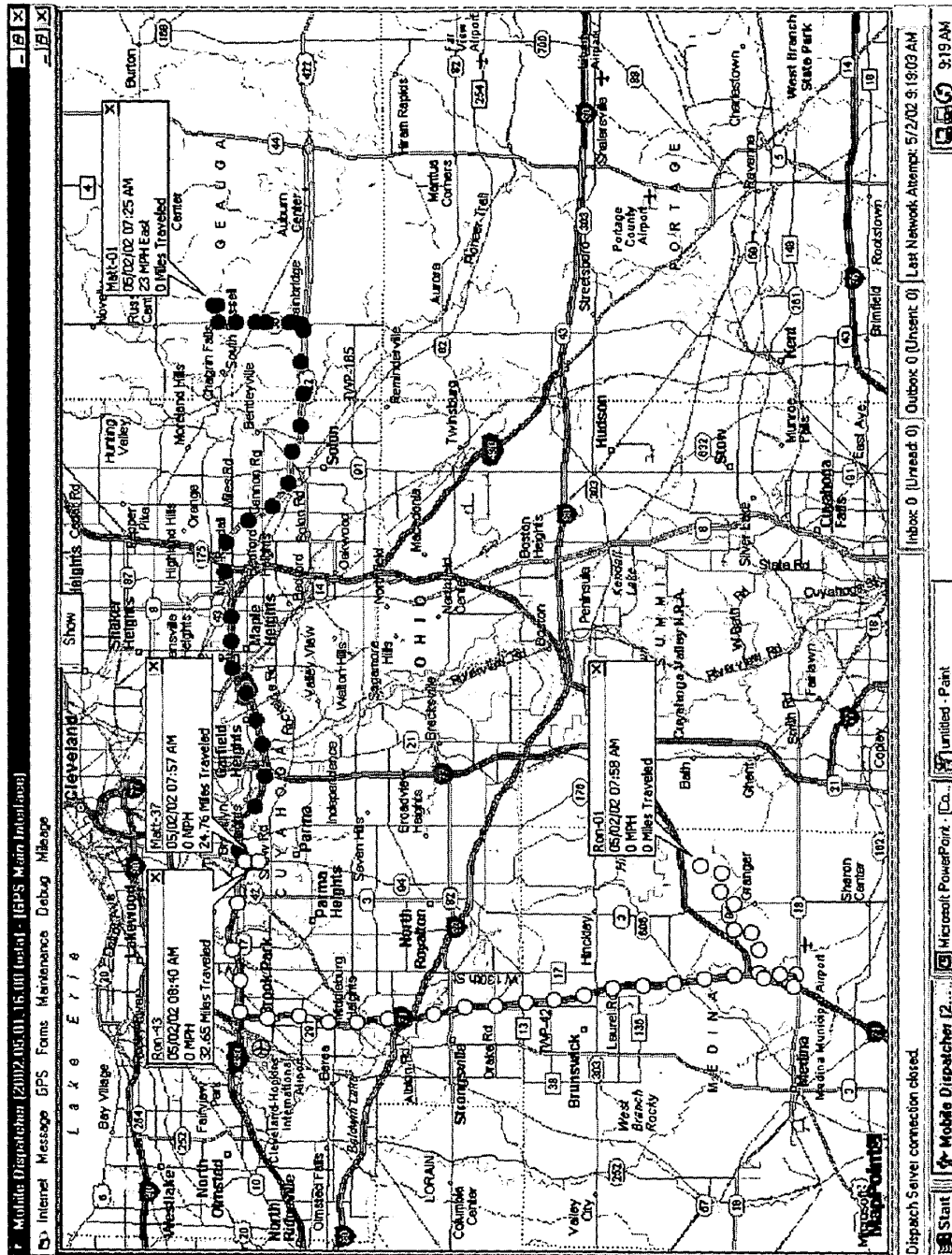


Fig. 23



**Mobile Dispatch** [2002.02.08.17.00] - [GPS Main Interface]

Internet Message GPS Farms Maintenance Debug

Corklok

Current: [Travel] From: [02/12/2002 06:22 AM] To: [02/12/2002 12:32 PM]

Plot Log Clear Recall Zoom

☒ Flag points where speed is greater than [73] mph  
☐ Flag status changes.  
☐ Find stops by time  
☐ Find stops at 0 MPH  
☐ Find stops longer than [15] minutes.

☒ Zoom to points after plotting. ☒ Only show float.  
☐ Clear points before plotting. ☐ Plot to current time.

KRAUSER  
 MIKE  
 Pandiano  
 Ron  
 Tom  
 V-15  
 V-8

Brad  
 cmv  
 DAVE  
 Ed  
 Frank  
 Fred  
 Garage test  
 Garage test2  
 Jackie  
 Karenna  
 Ken

Routing Addresses Load Save Print

Map labels include: Highland Hills, Mayfield Heights, Garfield Heights, Brooklynn Heights, Chagrin Falls, South Chagrin Reservation, Benderville, Cuyahoga Valley National Recreation Area, E. Pleasant Valley Rd, Independence, Walnut Hills, Oakwood, Glenview, Columbus Rd, Rockside Rd, Dunham Rd, Turnpike Rd, Valley View, Chestnut Rd, Reedys Dr, Chagrin River Rd, Orange Rd, Woodmere Rd, Chagrin Blvd, Meridian Hills, Miss Rj, South Chagrin, Rainbridge, Matris-14, Matris-12, Matris-15, Matris-13, Matris-27, Matris-29, Matris-41, Matris-11, Matris-10, Matris-9, Matris-8, Matris-7, Matris-6, Matris-5, Matris-4, Matris-3, Matris-2, Matris-1, Matris-0.

Map scale: 1 inch = 1 mile. Map projection: NAD 83. Map datum: NAD 83. Map units: Feet. Map color: Black and white. Map resolution: 300 dpi. Map file name: map.dwg. Map creation date: 02/12/2002. Map modification date: 02/12/2002. Map author: Mike Krauser. Map reviewer: Ron Tom. Map approver: V-15. Map status: Approved. Map version: 1.0. Map comments: Initial release.

Fig. 25

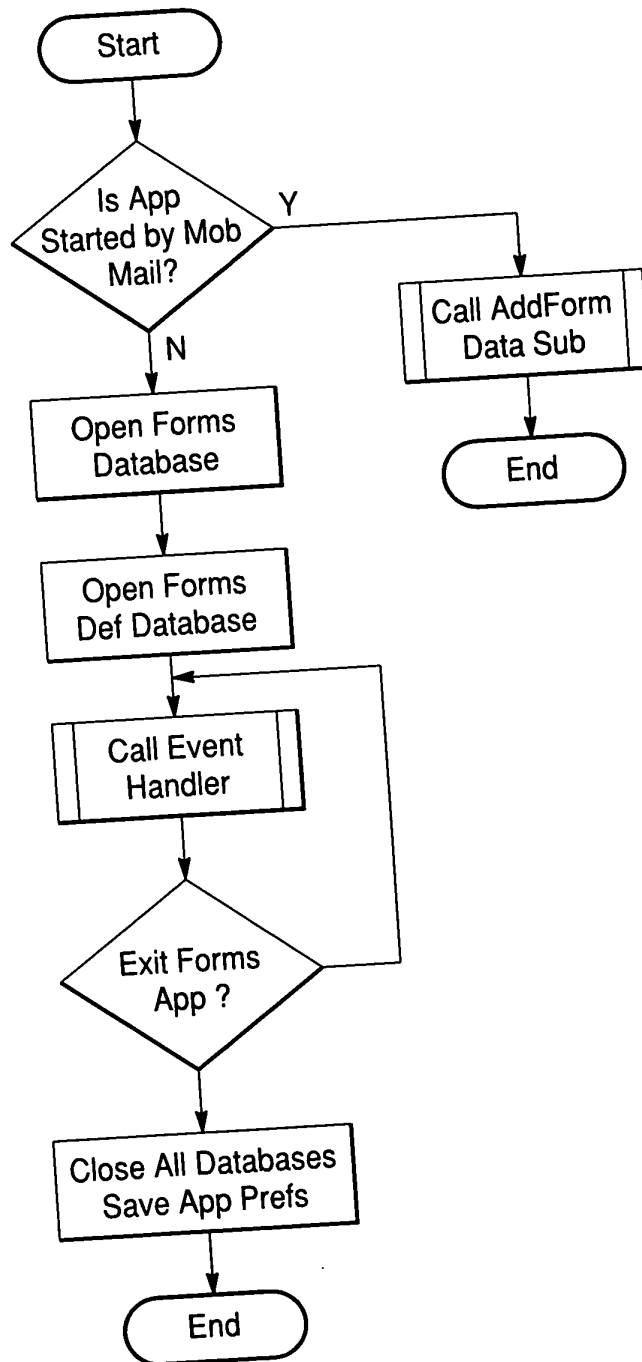


Fig. 26

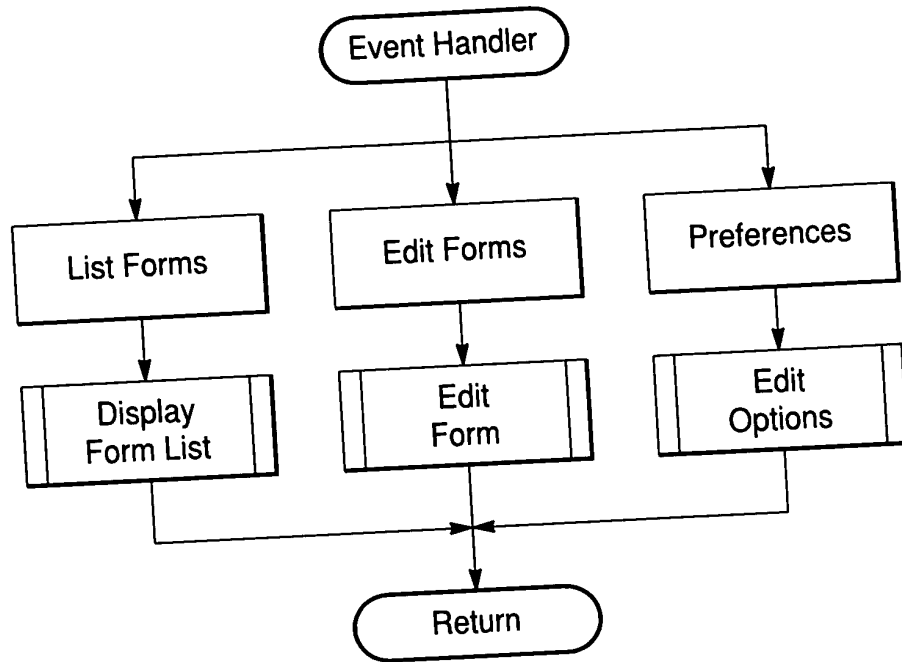


Fig. 27

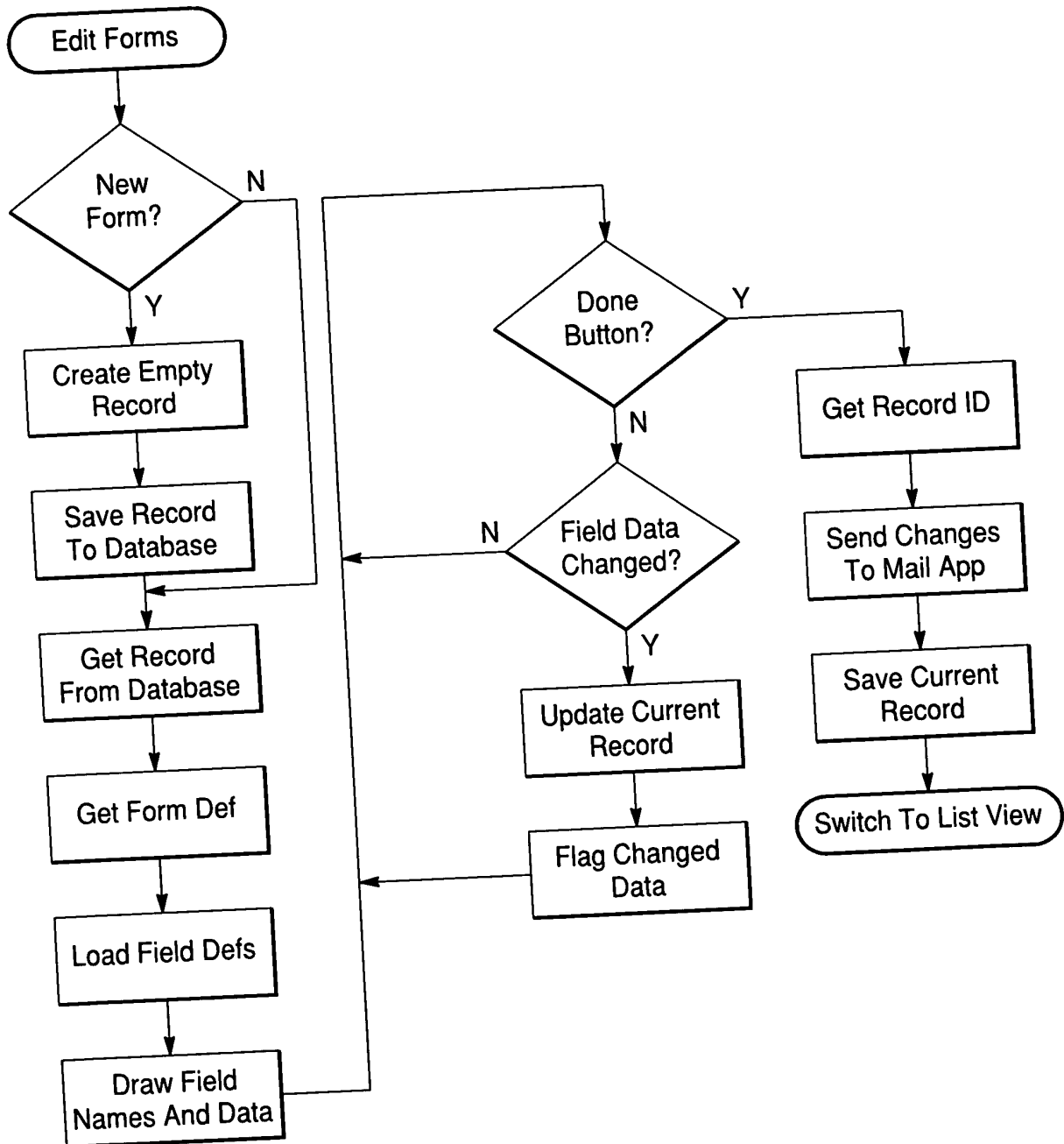




Fig. 28

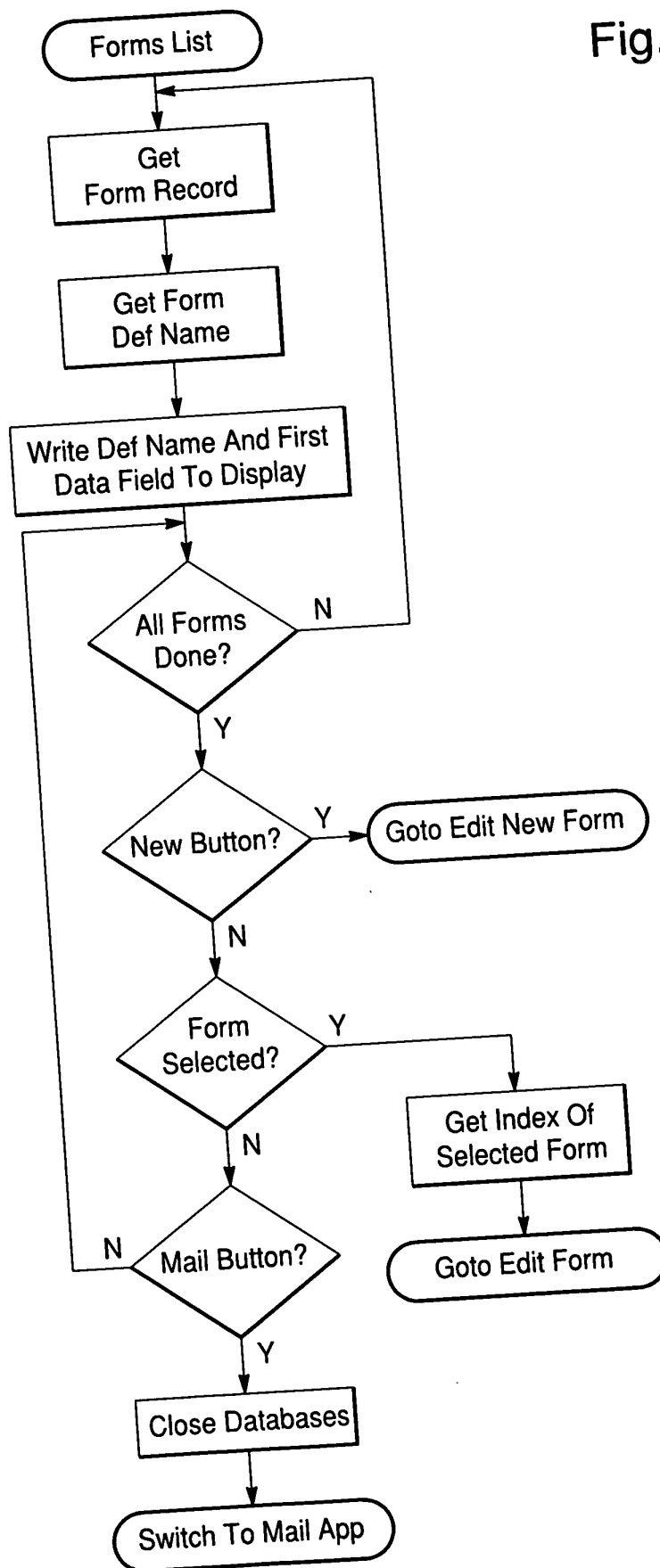


Fig. 29

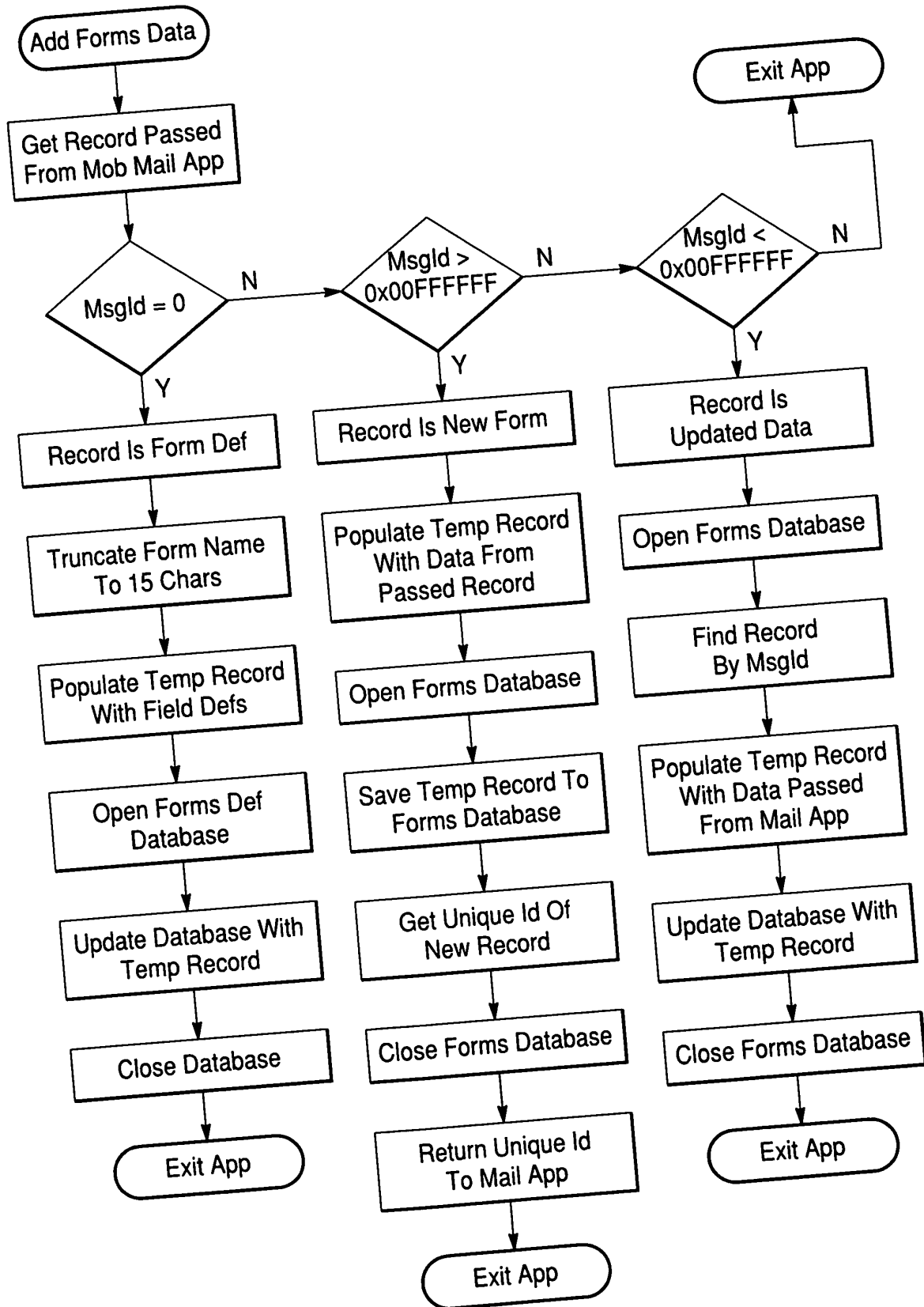


Fig. 30

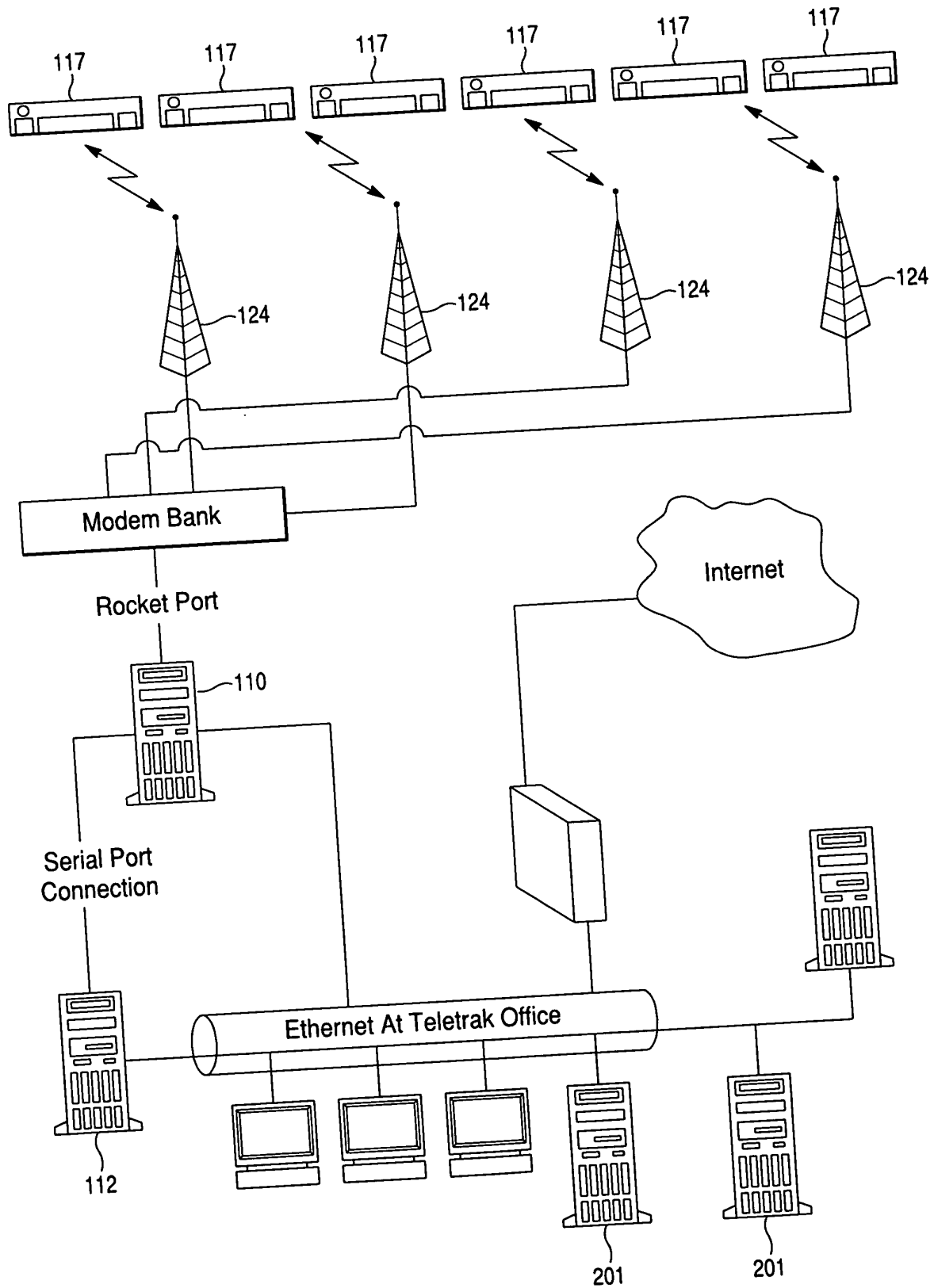


Fig. 31

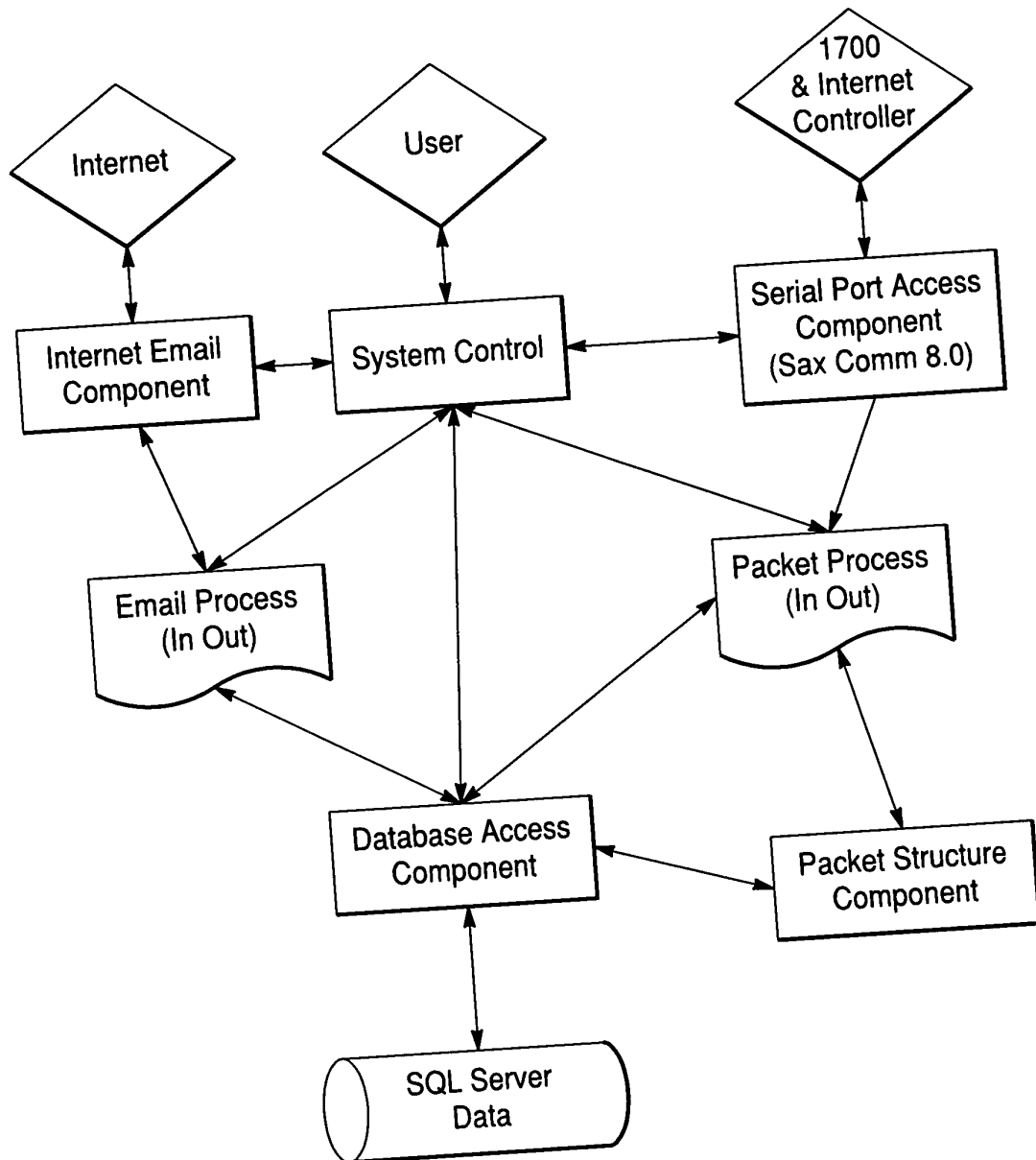


Fig. 32

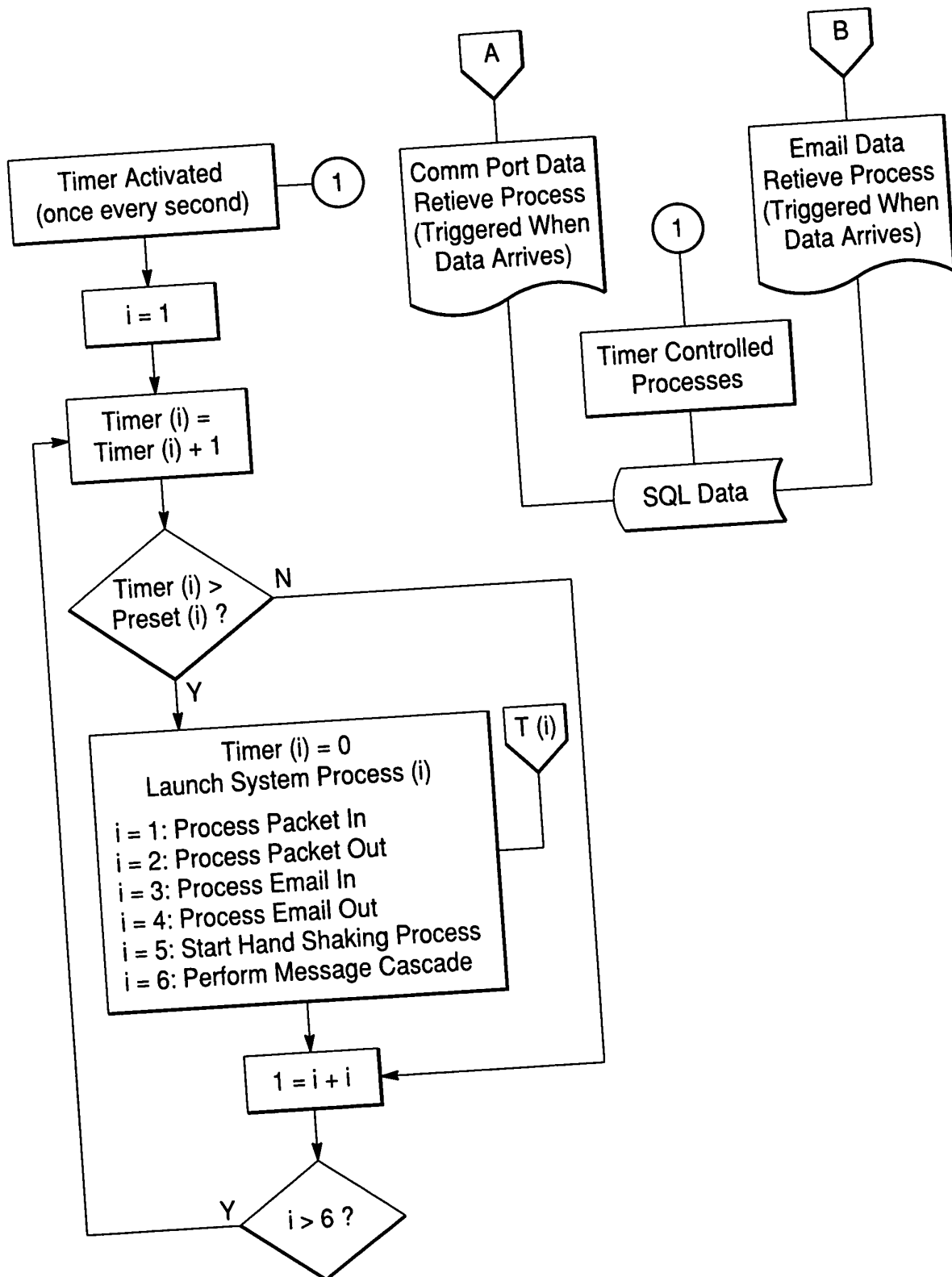


Fig. 33a

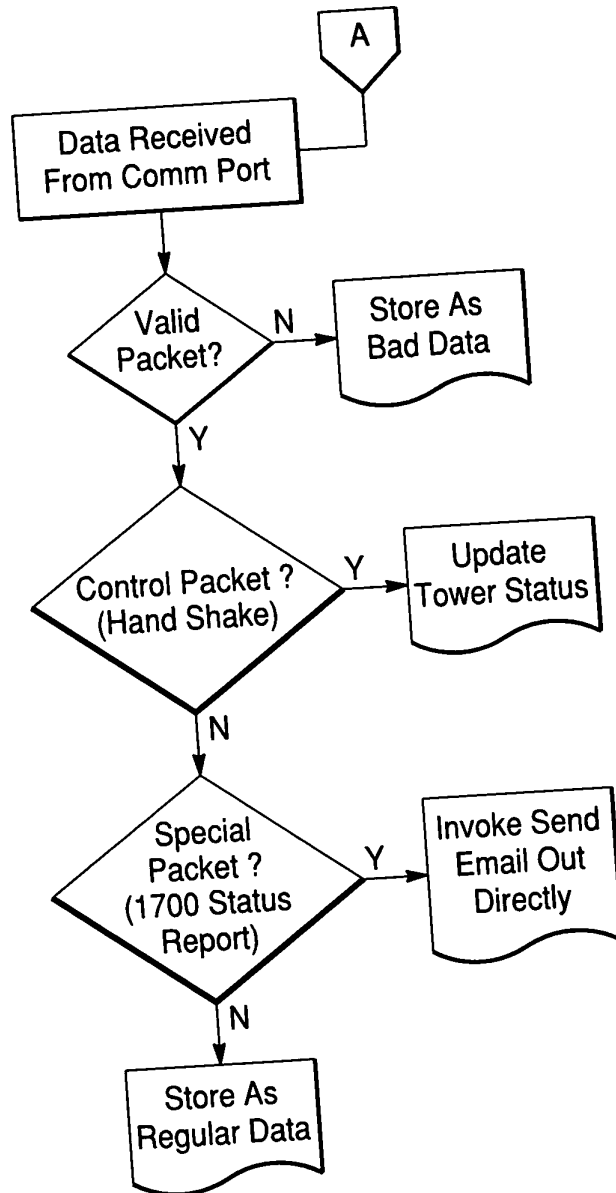


Fig. 33b

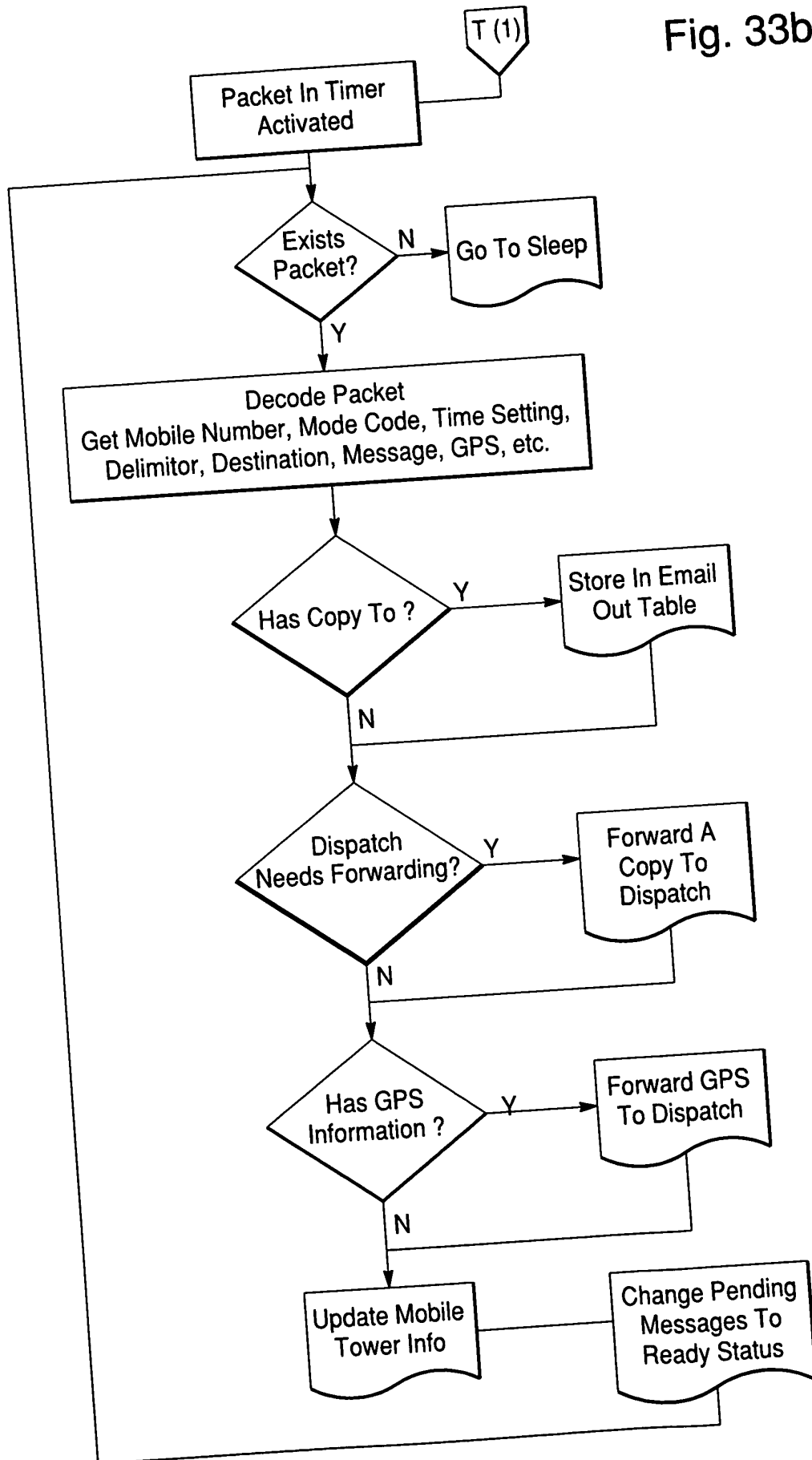


Fig. 34a

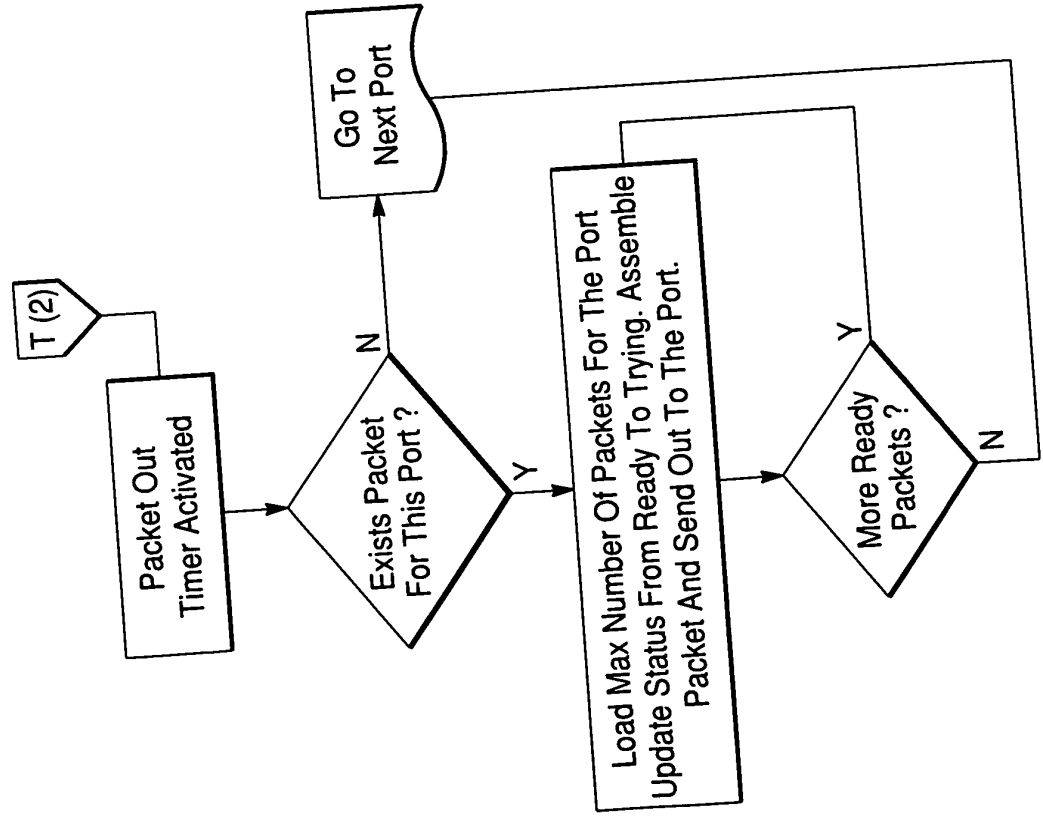


Fig. 34b

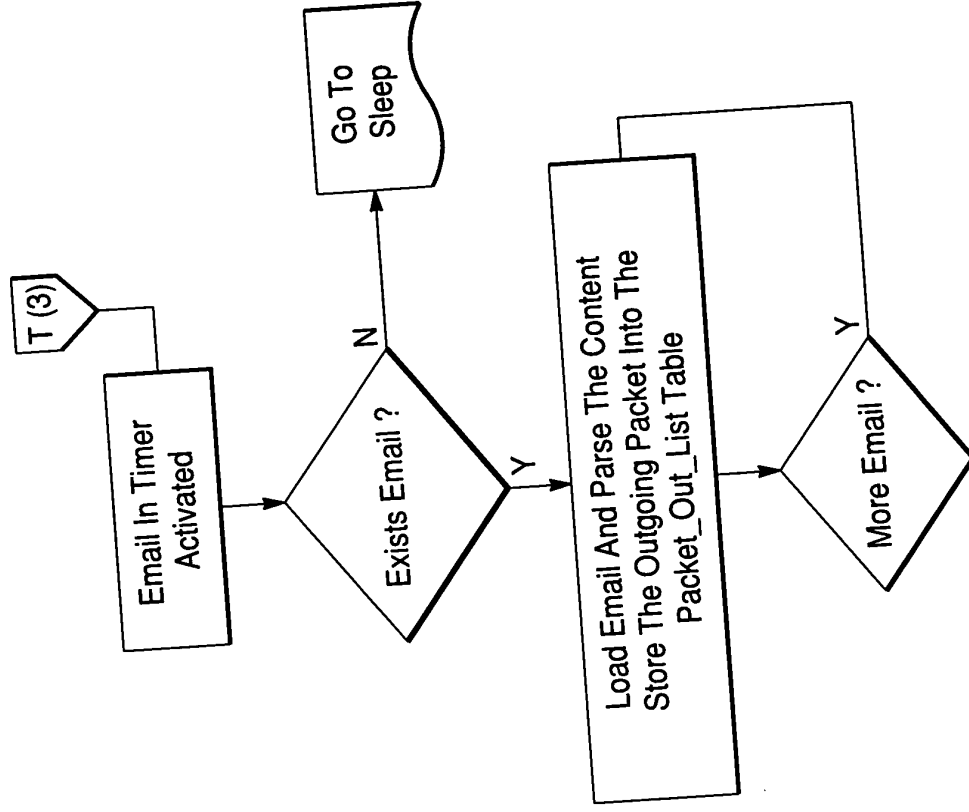




Fig. 35a

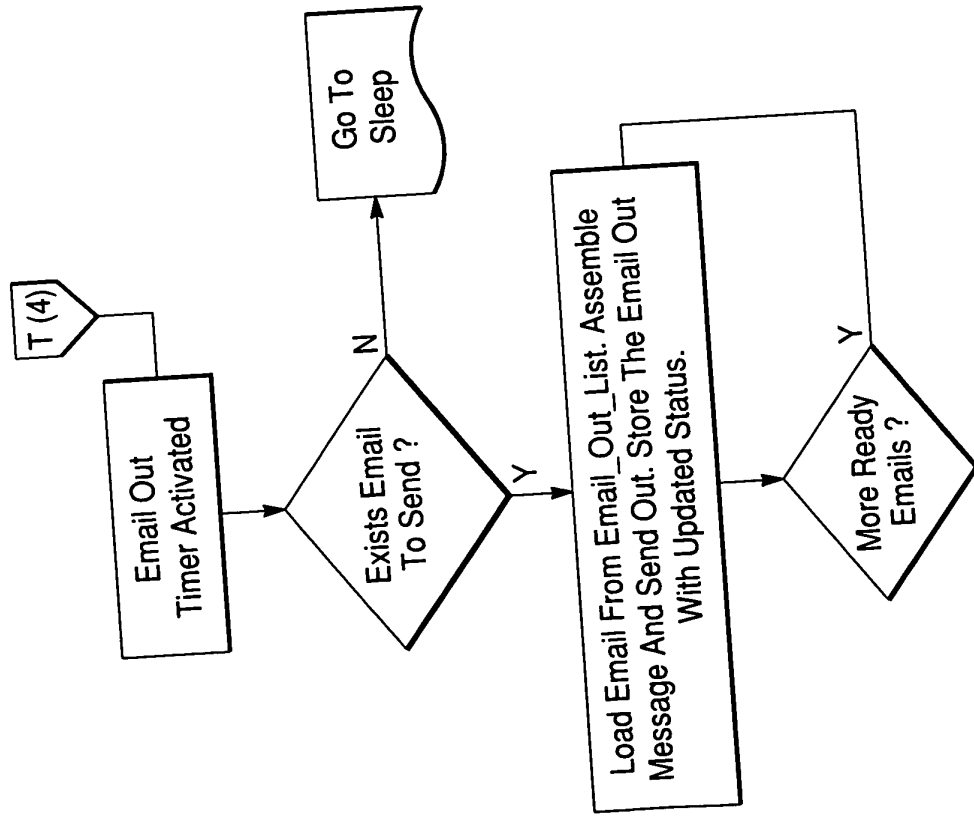


Fig. 35b

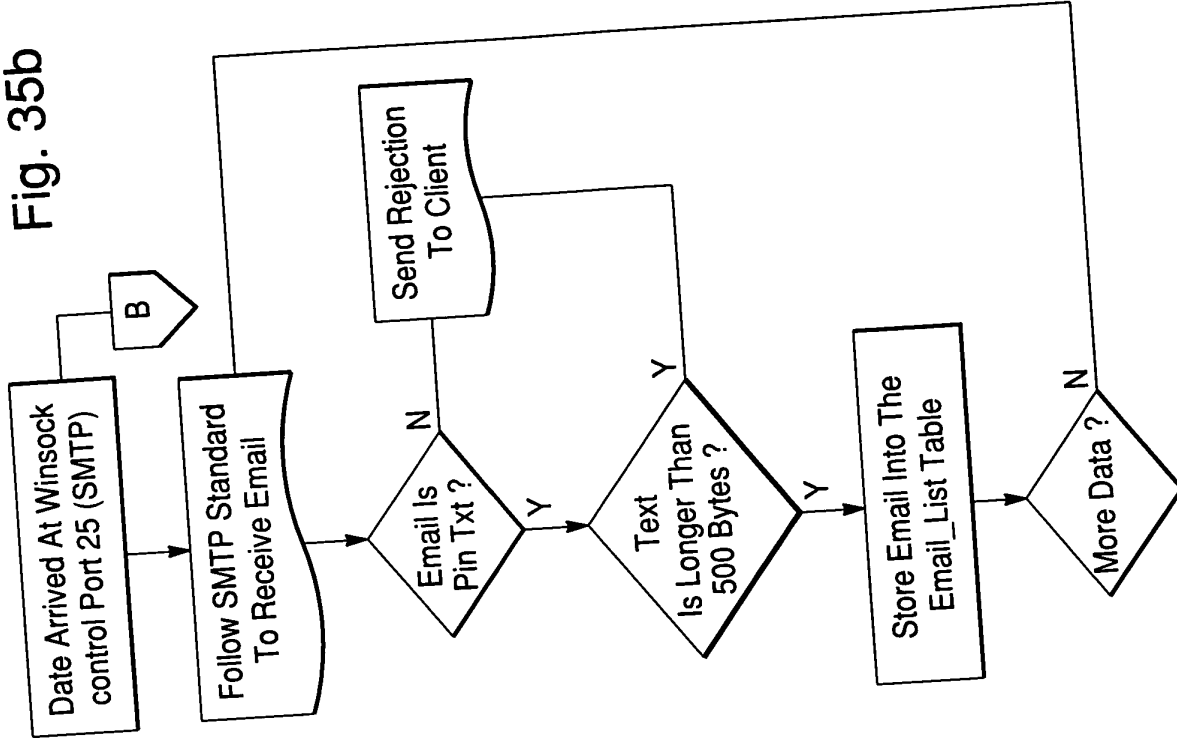


Fig. 36

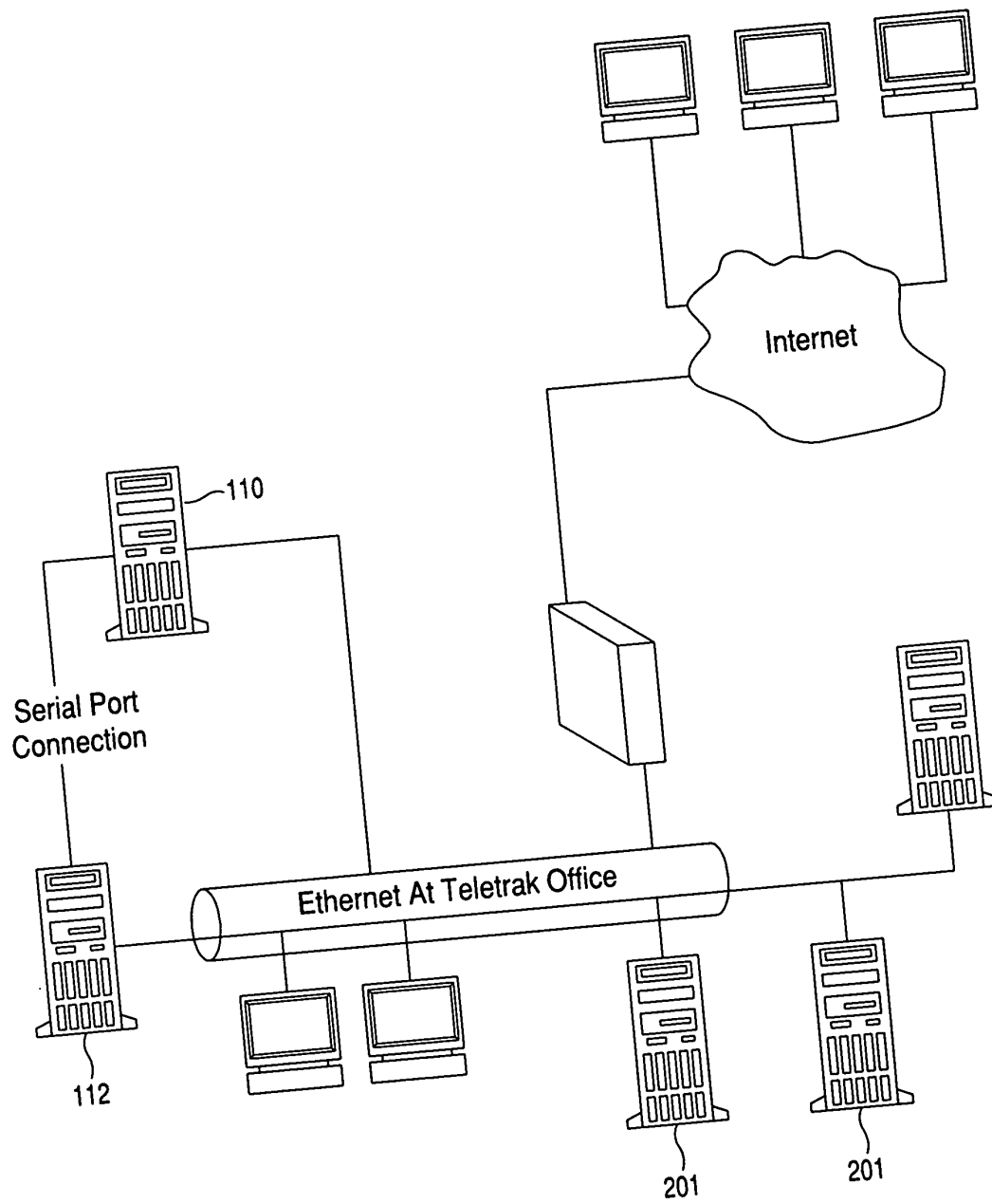


Fig. 37

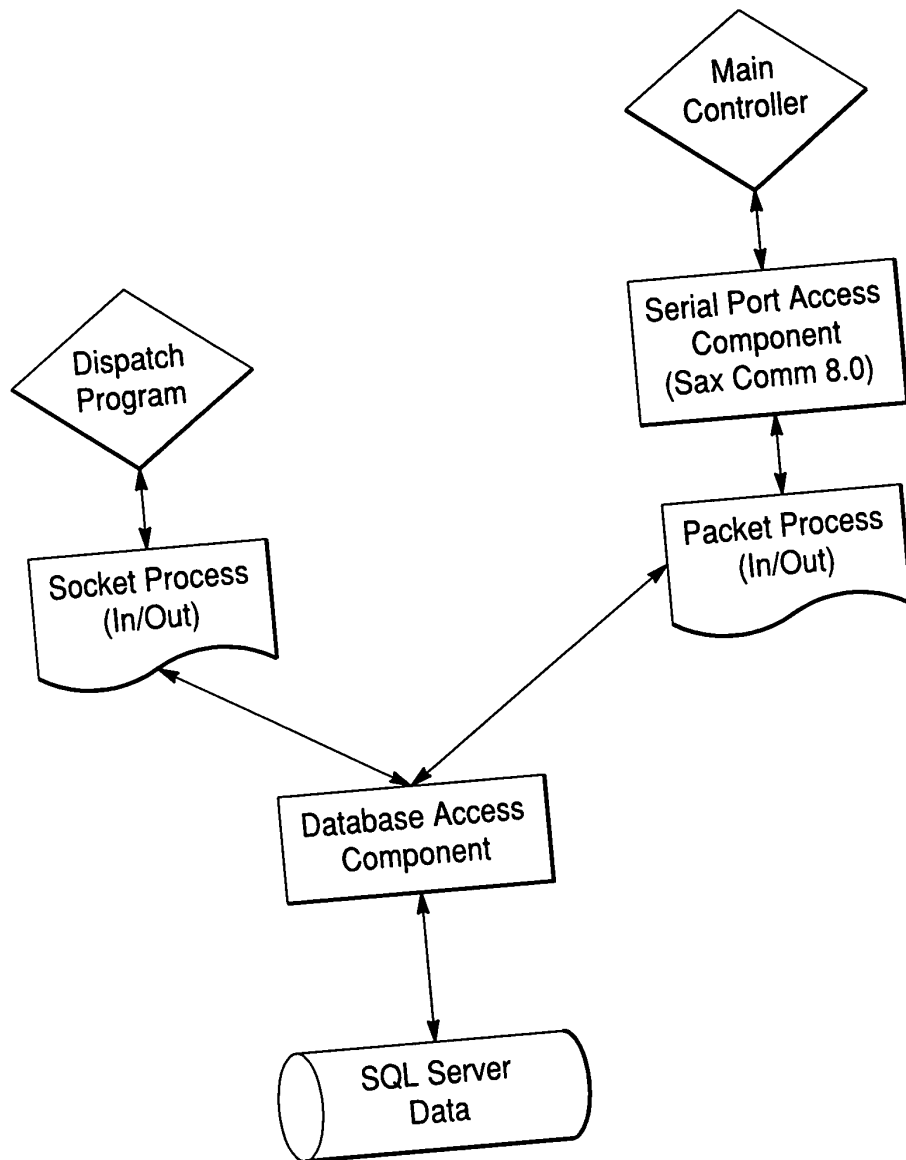


Fig. 38a

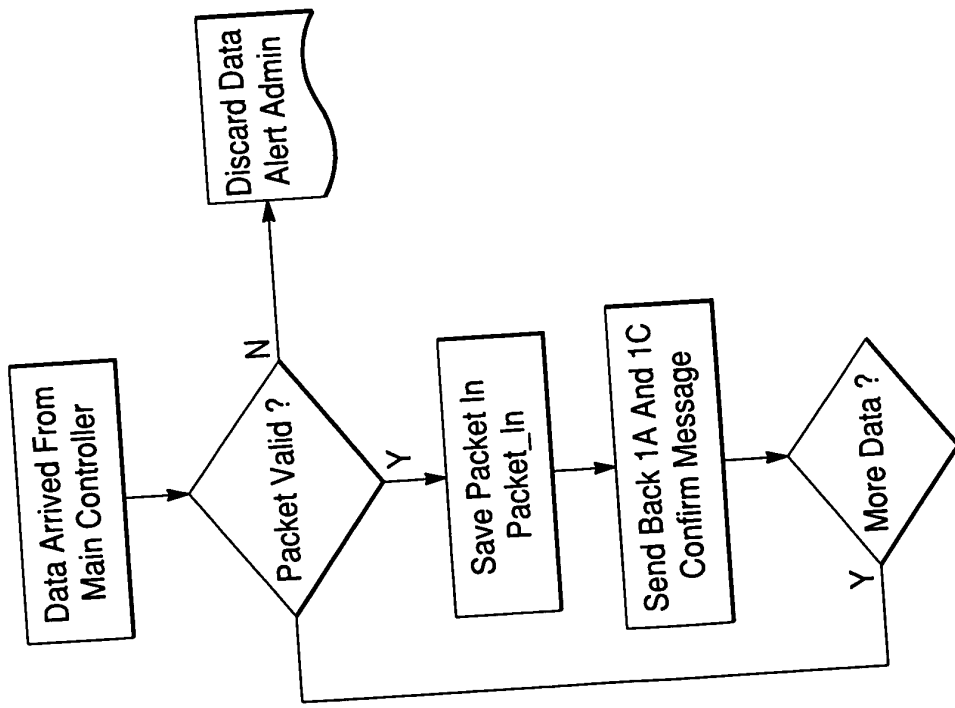


Fig. 38b

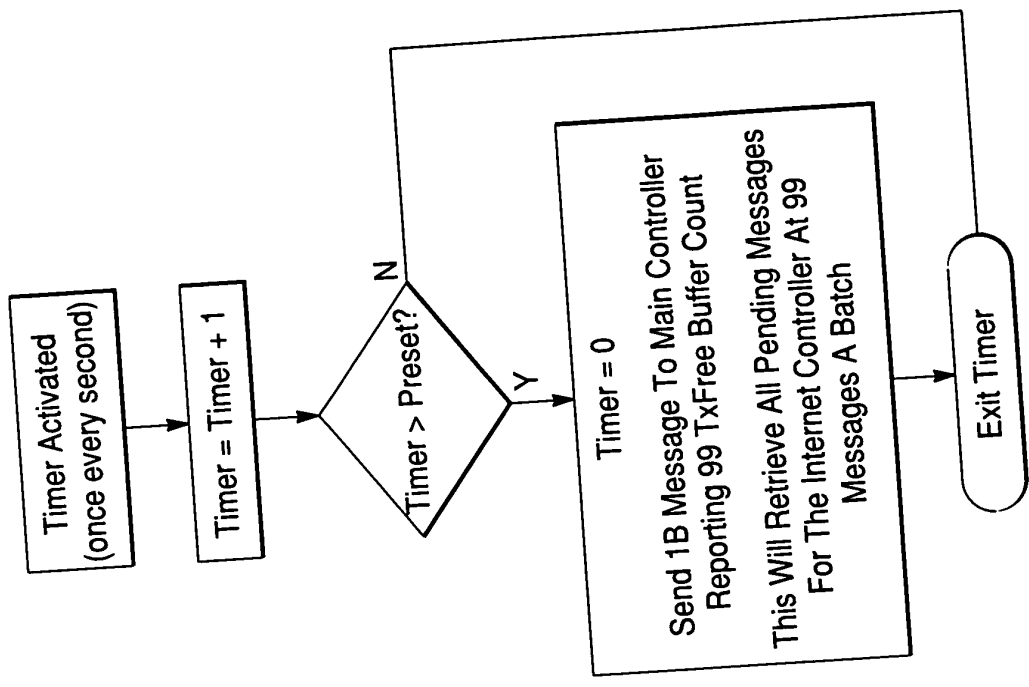
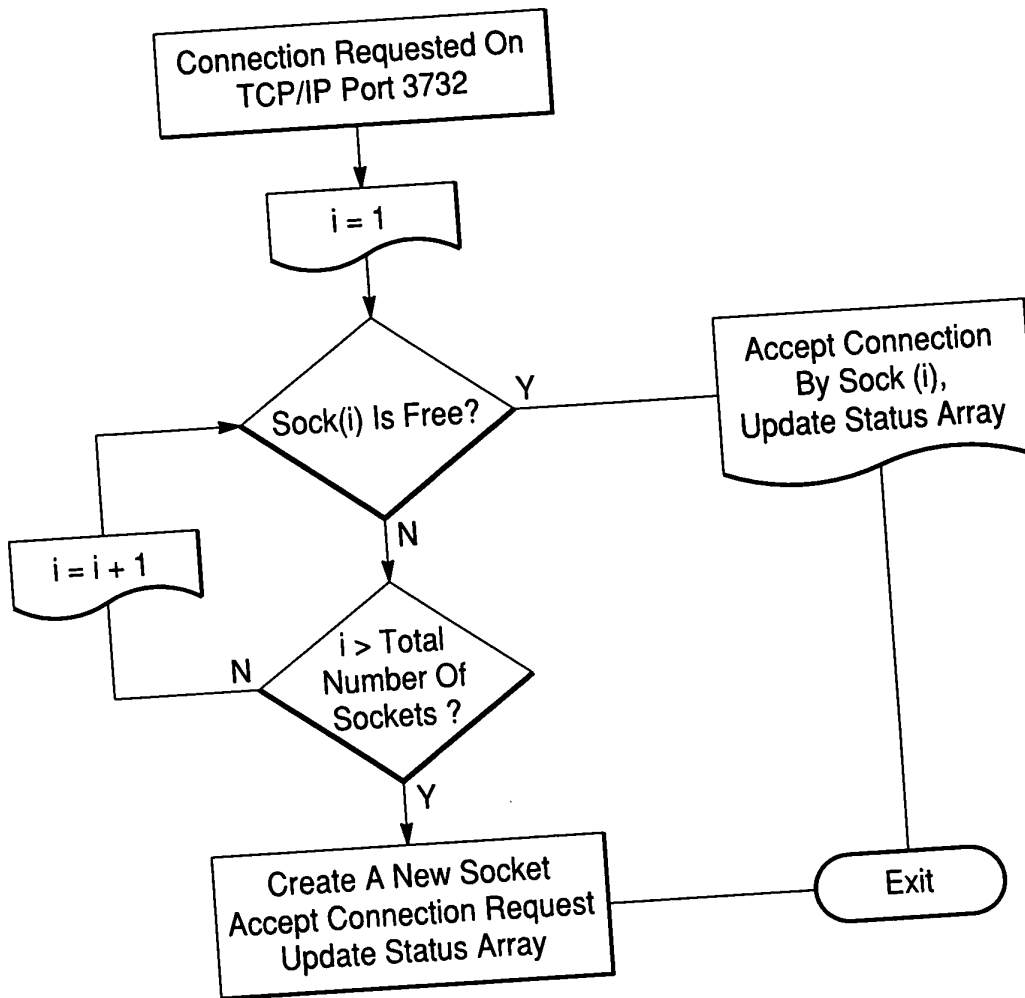


Fig. 39



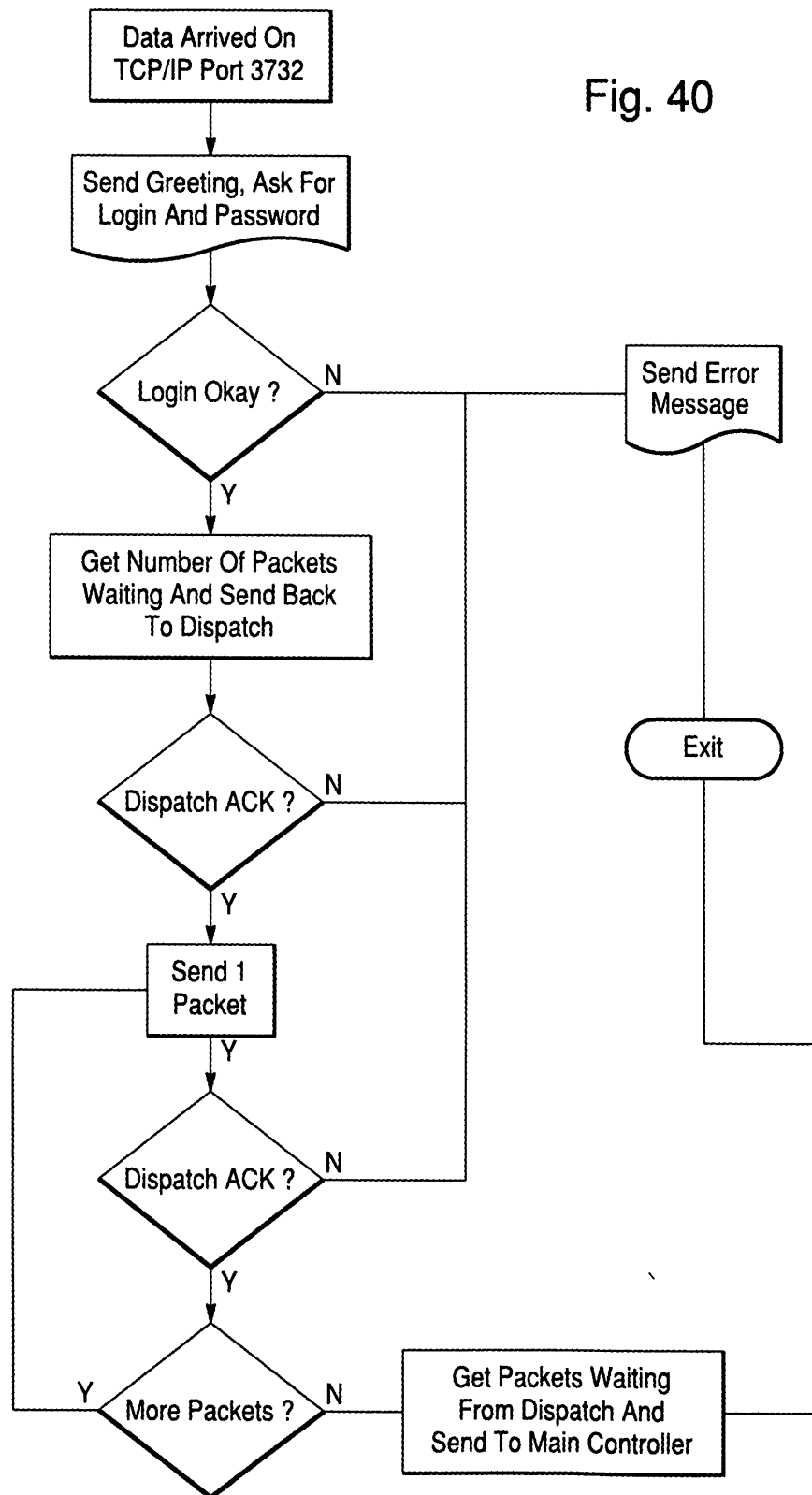


Fig. 40

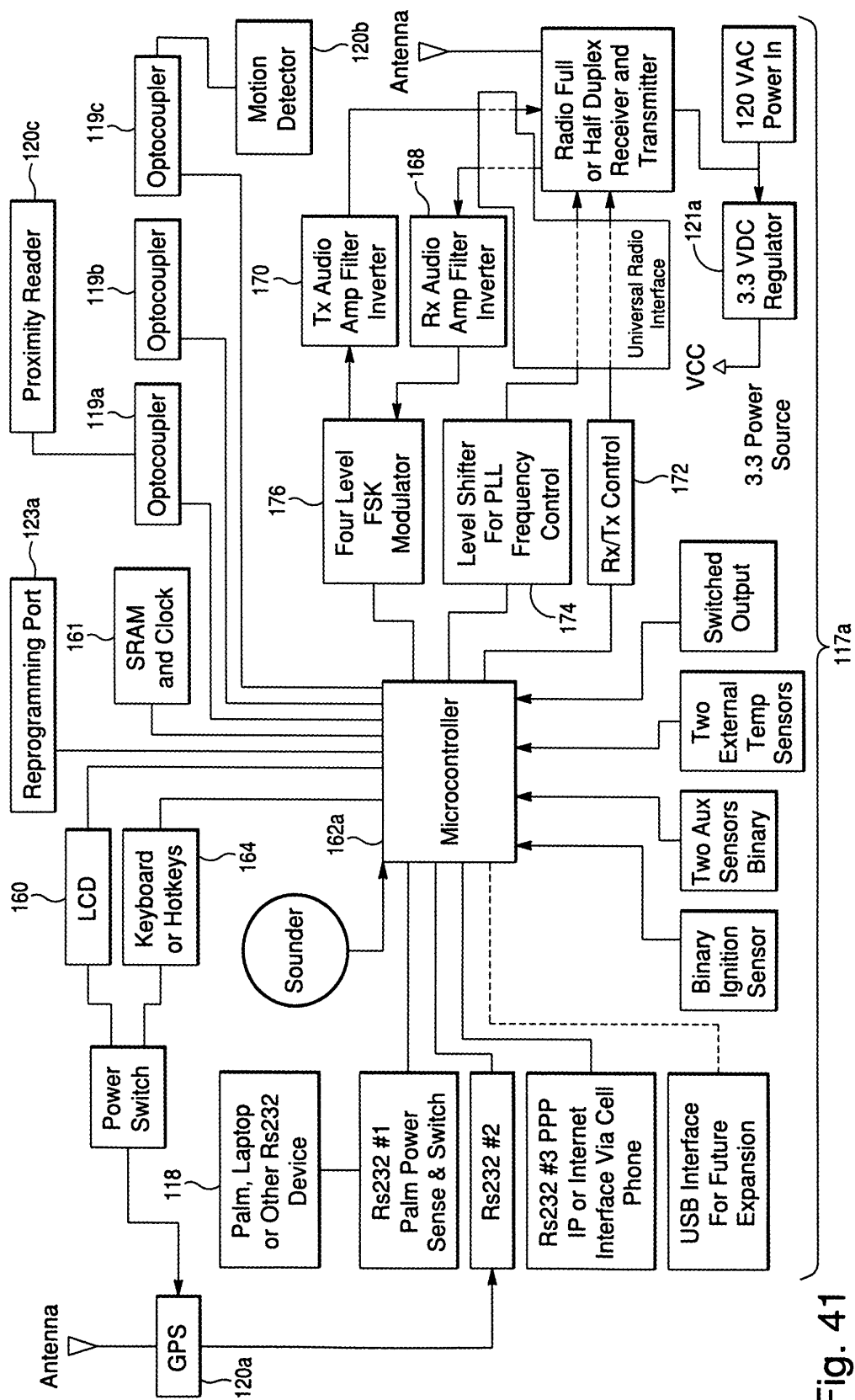


Fig. 41

Vehicle #	Last Seen	Speed	Dir.	Address	temp	Time temp	Ress Temp
VarCoil	5/27 08:58 PM	1 S	N	2987 Dublin Glenville Road E., OH, 43231			
VarCile	5/28 08:27 AM	0 N	S	3427 Fontaine Ave., OH, 44134			
Temp-1	3/28 03:15 PM	0 N	E	3427 Fontaine Ave., OH, 44134	23.125	3/28 03:15 PM	28.875

New dispatcher using SQL allwps individual to sort by any column show current address, any status change, also direct access to mapping.

View As:	Includes:	Zoom Setting:	Map	List	C Map	J Just Mine	M Manual	A All Auto	Z Zoom OUT	P Refresh	Auto	Relish	Every [30] Seconds	Exp
Burno	Fx	Room												
VarCoil	Fx	Tele-Trak Columbus												
Daf Xi Driving By:	Fx													
To Arrive By	To Slag	Arrived At	Status	Time										
2979 DUBLIN GLENVILLE ROAD E., COLUMBUS, OH, 43231		10:26:00	40											
3814 CLEVELAND AVE., COLUMBUS, OH, 43229		08:44:00	2	Stop										
5351 BIG WALNUT ROAD, COLUMBUS, OH, 43021		10:03:00	2	Stop										
108 COACHMAN DR., OH, 43064		08:42:00	40	Stop										
<b>Current Route Status</b>														
Refresh Every [30] Seconds With Trail														
Vehicle	IDriver	Next Stop	N Stop time	I NS For	Last Stop	L Stop Time	LS For	L Actual Time	LSA For	Status	Schedule +			
Burno	Fx	Room	7:19 AM	117										
VarCoil	Fx	Tele-Trak Columbus	10:26 AM	40										

New SQL also allows viewer to import manifest from current program, will display all units position, current stop, next stop, and if vehicle is ahead or behind schedual Dispatcher also can click on individual and view entire days for individual, make changes on the fly by adding or canceling stops

New dispatcher using SQL allpws individual to sort by any column show current address, any status change, also direct access to mapping.



	-[X]	-[X]
Central Point (2002.12.27; 17:30:65E) - [Current Route Status]		
Maintenance	Debug	Log
GPS Message	Temperature	
Sensors	Message	
Rain	Status	
Internet		

View As: ☐ List ☐ Map

Zoom In ☐ History ☐ Route ☐ Manual Zoom Out

Refresh  Auto Refresh ☐ Every 300 Seconds

Replay

Reports show all stops, colonize the scheduled stops and for time arrived (given for time left), values for stops missed, also reports give address or geo-fences for unauthorized stops.

Fig. 44

Zoom 2x

**Main** One

One

Address Field

City Field

State Field Zip Field

Phone Field

One

One

Fig. 45

Zoom 2x

**Work Order** One

**Name Field**

Work Order One SI24

Start SI27 Stop SI28

**Time Requested Field**

**Description Memo**

Work Done One

Parts Used One

**Memo Memo**

Status Incomplete

Fig. 46

The image shows a software dialog box titled "Credit Card" with a "Zoom 2x" label and a close button in the top right corner. The dialog contains several input fields: "Name Field", "Card Type" (a dropdown menu currently showing "Visa" with a downward arrow), "Card Number Field", "Exp Date Field", and "Amount Field". At the bottom of the dialog are two buttons: "Done" and "Cancel".

Field Label	Value / State
Name Field	
Card Type	Visa
Card Number Field	
Exp Date Field	
Amount Field	

Buttons: Done, Cancel

Fig. 47

Zoom 2x

Sales Order

Name Field

P.O. Field

Date

SI15

Item

Qty Price

Table

Cancel

Process

Fig. 48

Zoom 2x

Expense

SI75

Employee

▼ Pop

Type

Food

↓

Amt Field

Table

Done

Fig. 49

Zoom 2x

## Time Sheet

Employee

Date  Time

Activity

Table

Table

Fig. 50

Zoom 2x

**Work Order**

**Name Field**

Work Order

Start  Stop

**Time Requested Field**

**Description Memo**

Work Done

Parts Used

**Memo Memo**

Status



Fig. 51

Zoom 2x

## Punch Out

<input type="checkbox"/> Svc Panel	<input type="checkbox"/> Breakers
<input type="checkbox"/> Meter He	<input type="checkbox"/> Disconnect
<input type="checkbox"/> Outlets	<input type="checkbox"/> Lights
<input type="checkbox"/> Switches	<input type="checkbox"/> GFI
<input type="checkbox"/> Furnace	<input type="checkbox"/> A/C
<input type="checkbox"/> Heat Pump	<input type="checkbox"/> Attic Fan

Notes

Memo

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Cancel Done

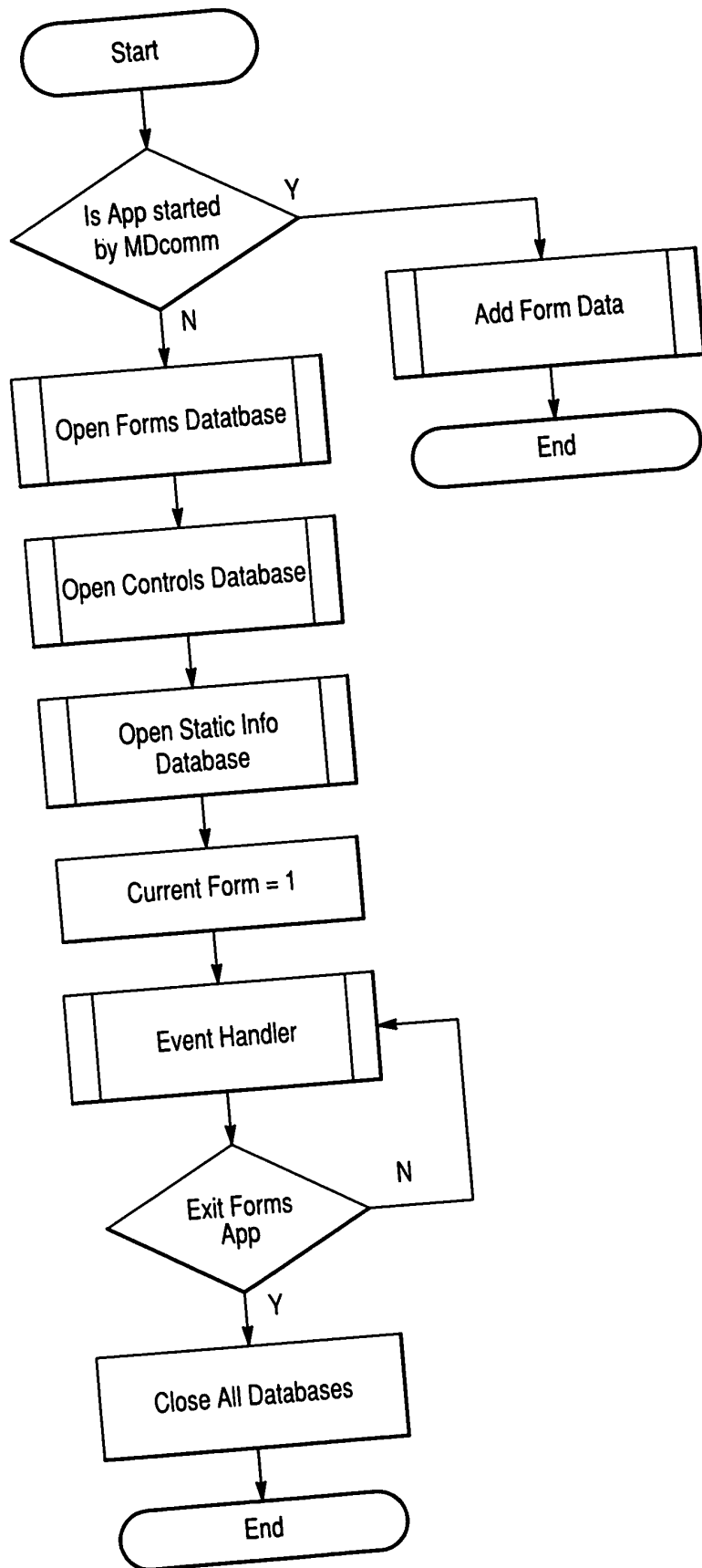


Fig. 52

Fig. 53

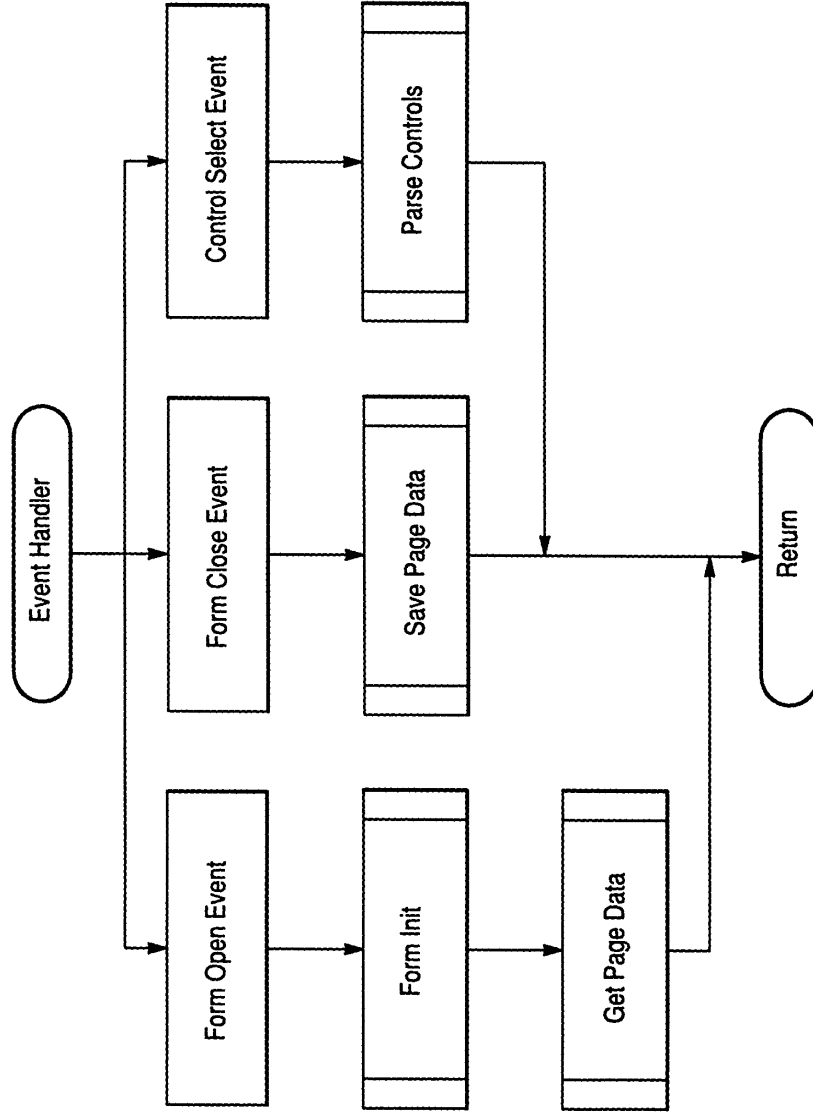


Fig. 54

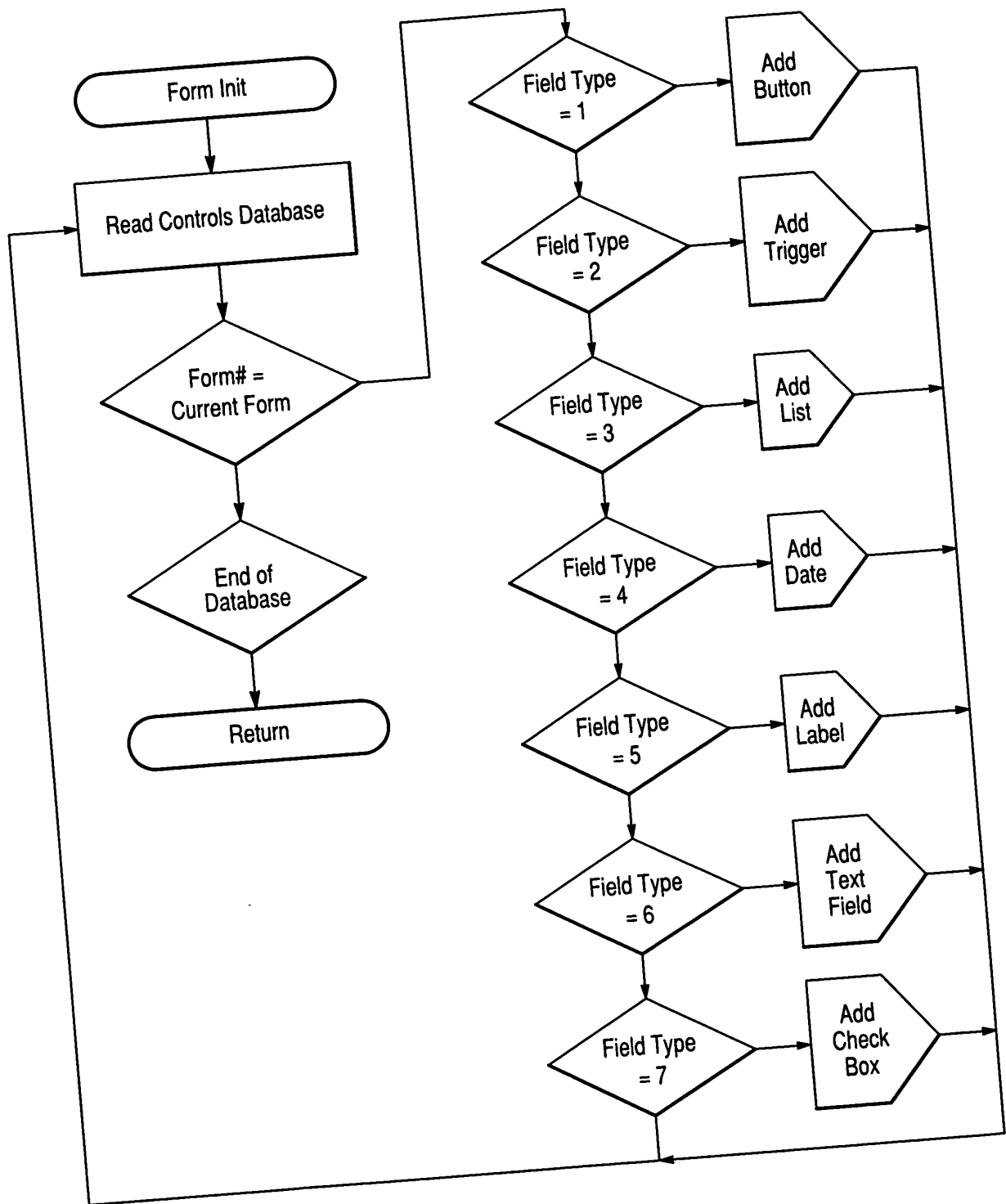


Fig. 55

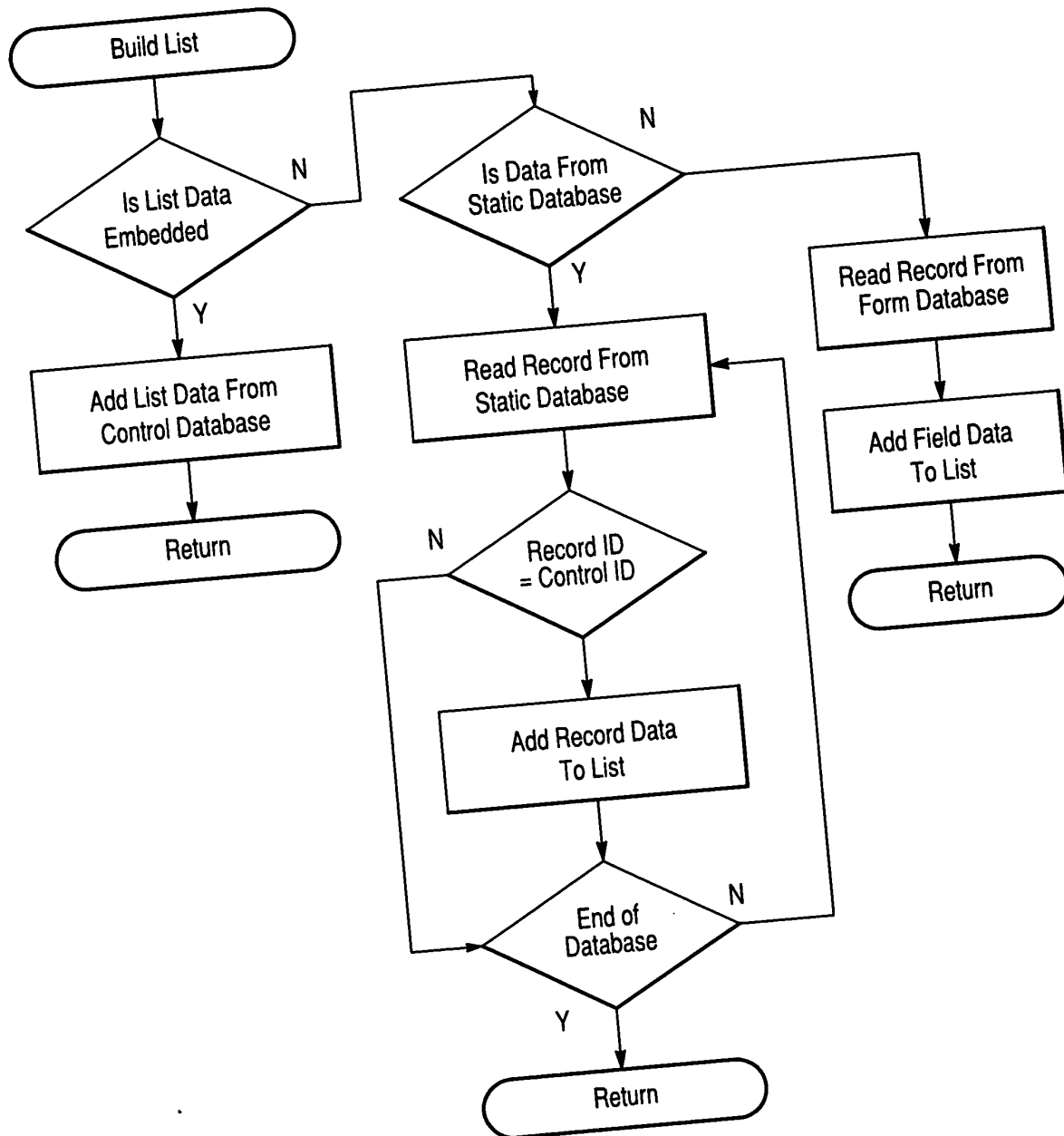


Fig. 56

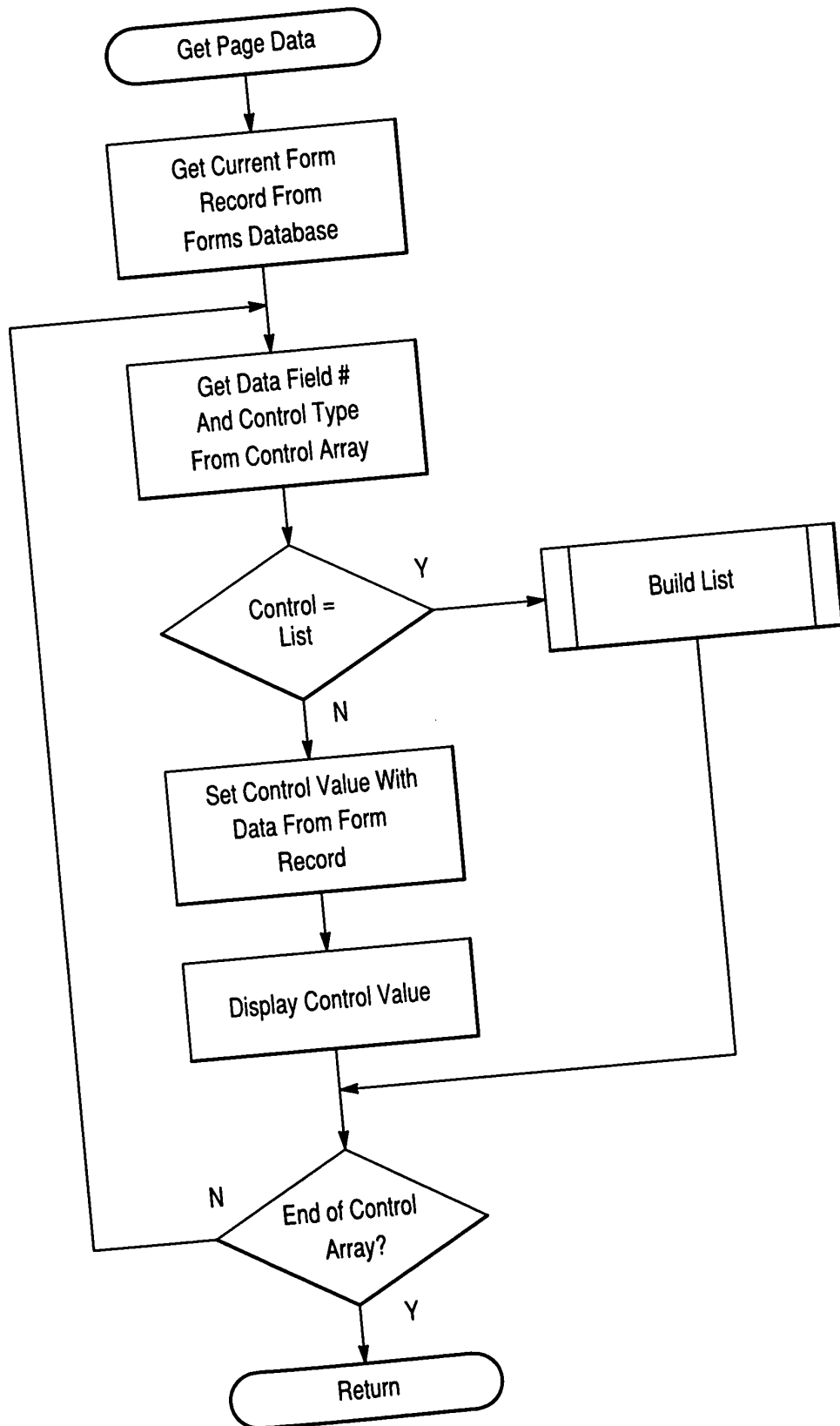


Fig. 57

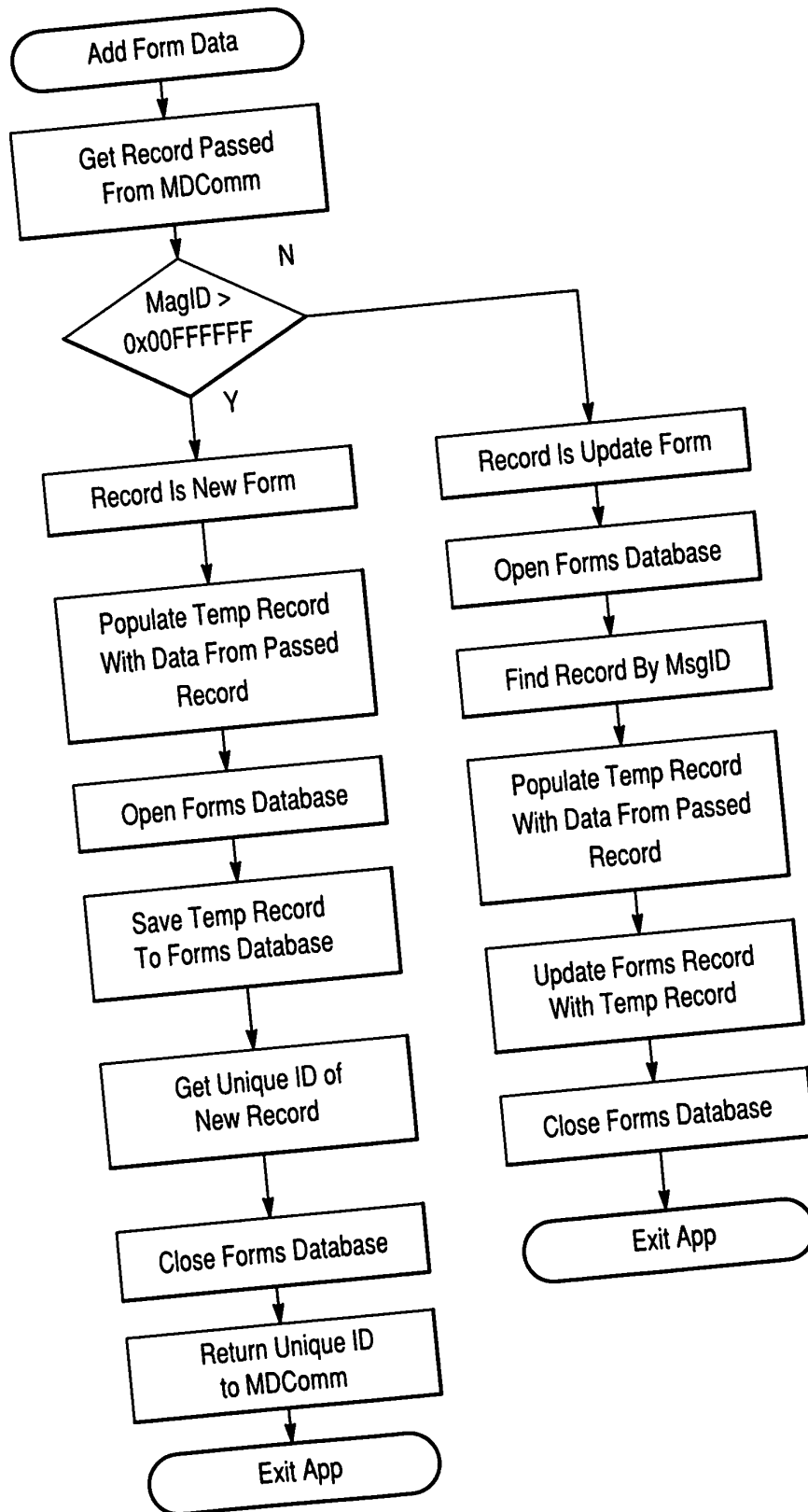
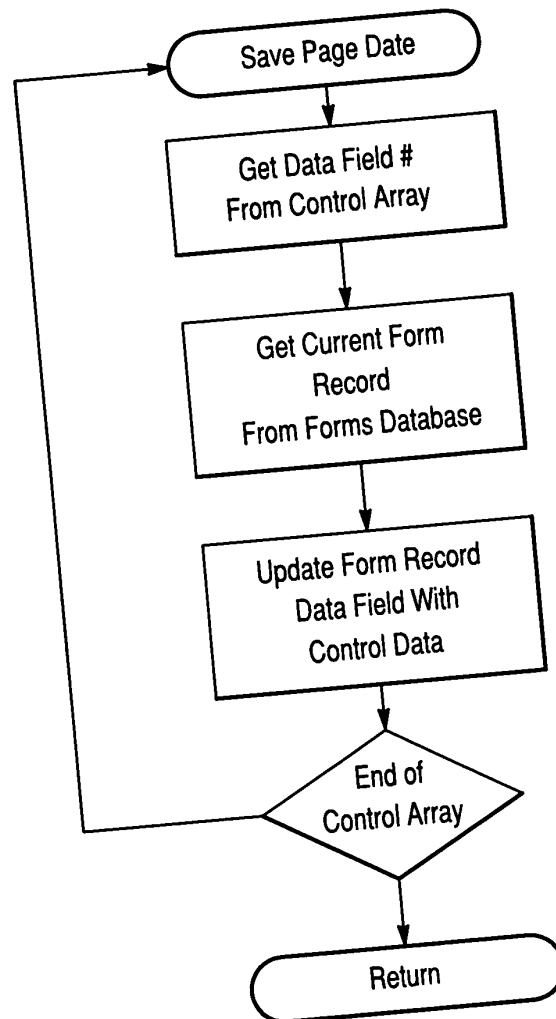


Fig. 58





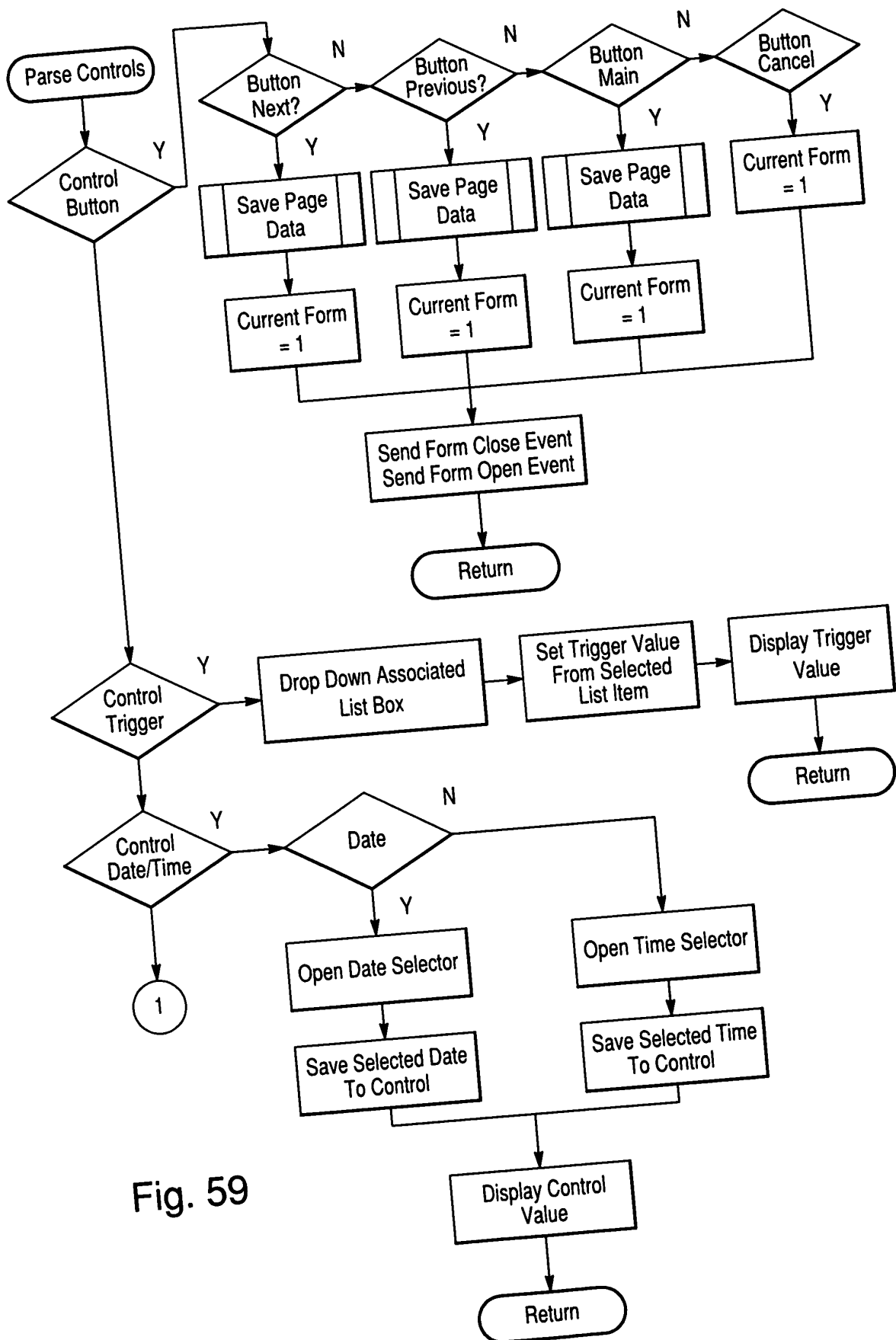


Fig. 59

Fig. 60

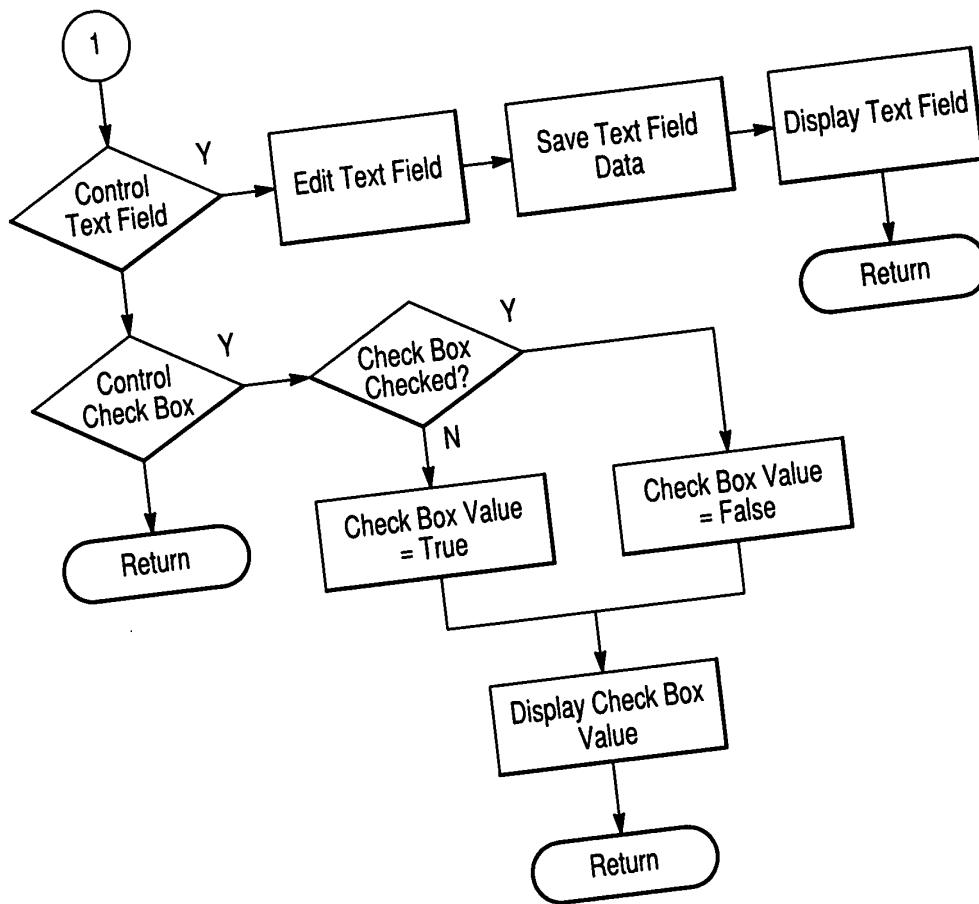


Fig. 61

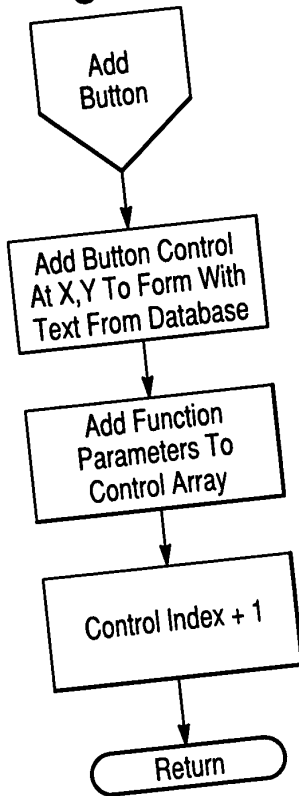


Fig. 62

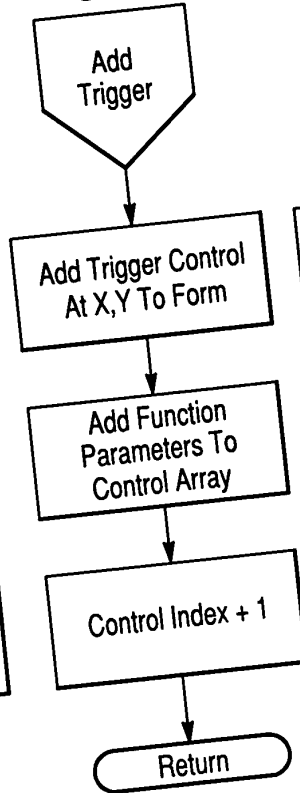


Fig. 63

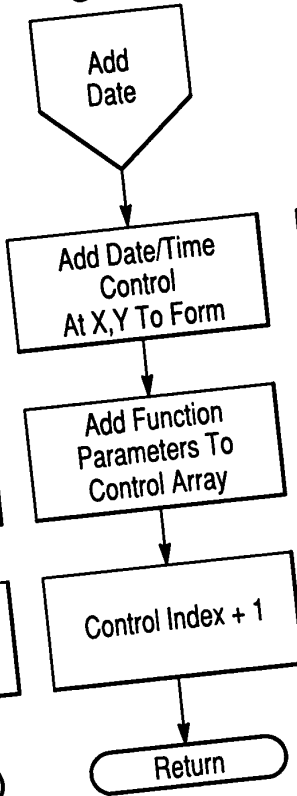


Fig. 64

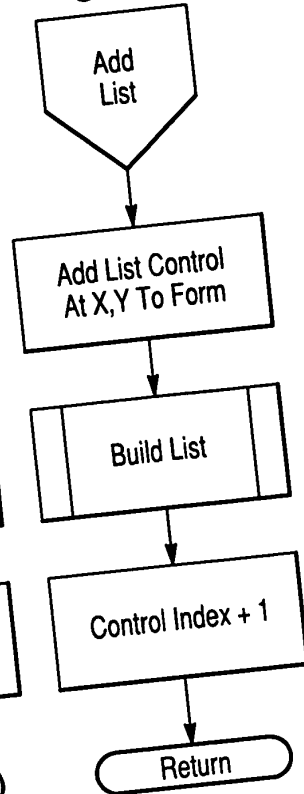


Fig. 65

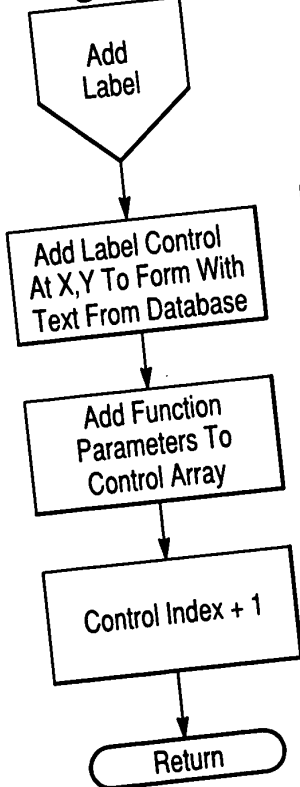


Fig. 66

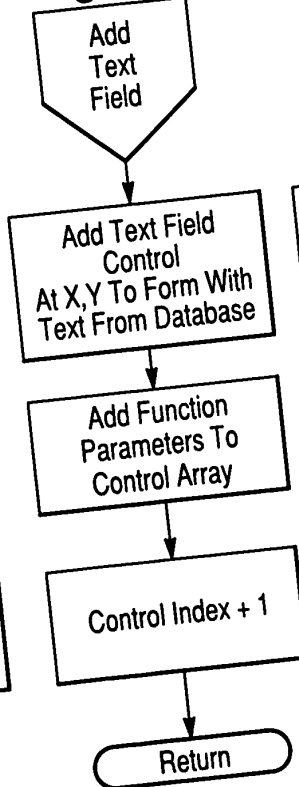
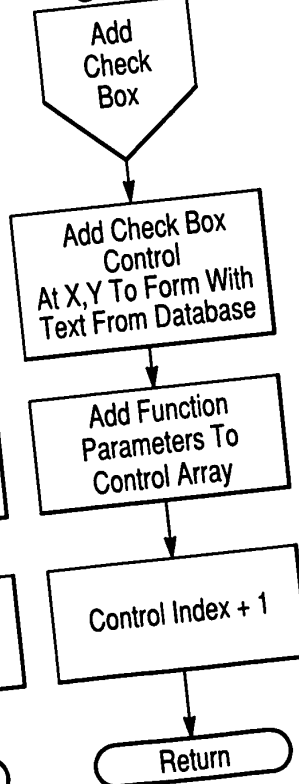


Fig. 67



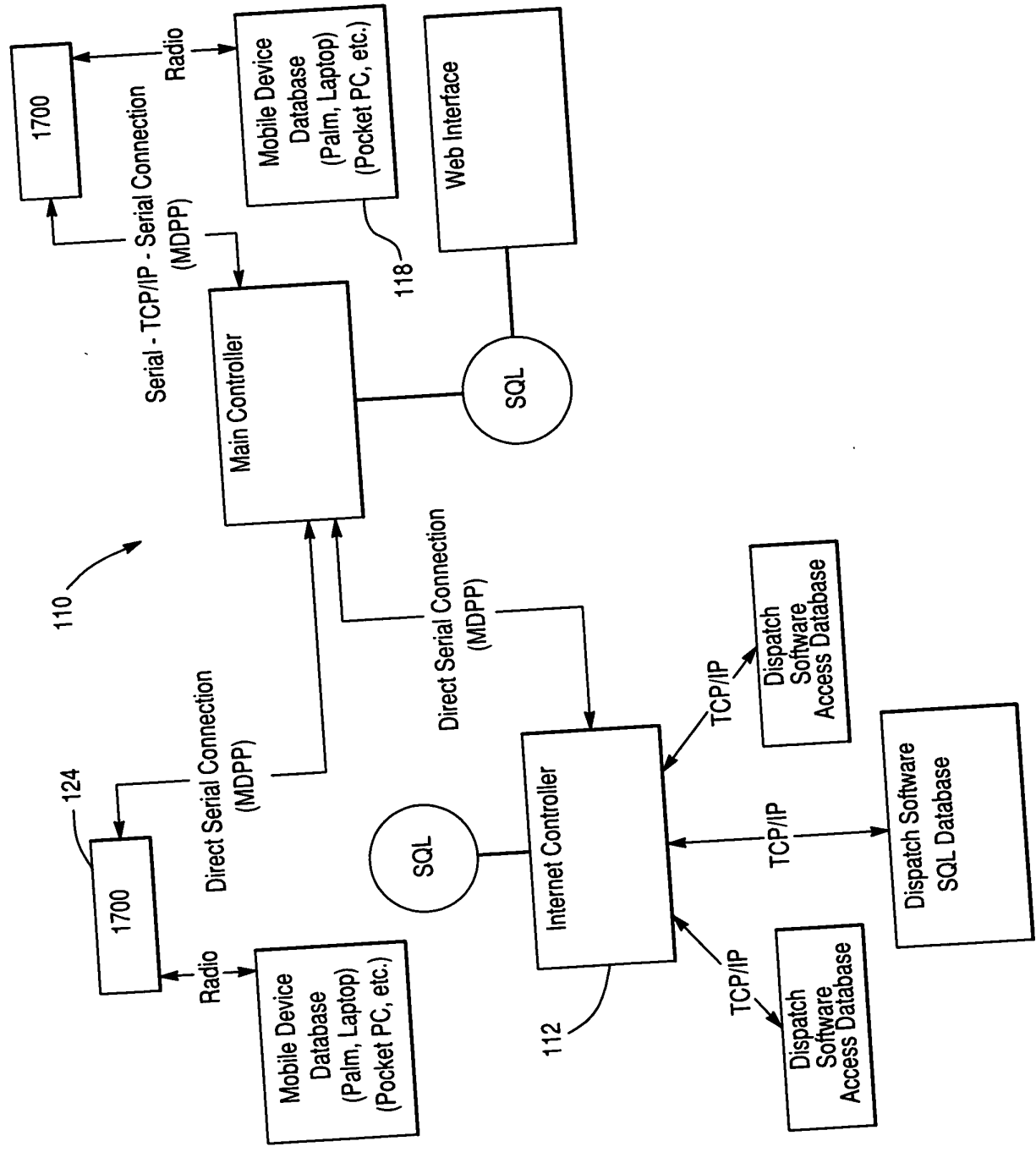


Fig. 68